The Industry's Fastest Source for RF & Microwave Components

Passive Products Section Catalog 2011C

PASTERNACK®

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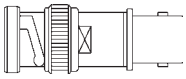
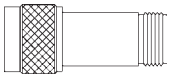


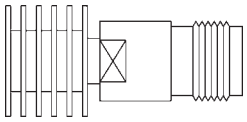
IMPEDANCE MATCHING PADS

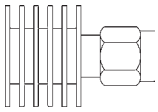


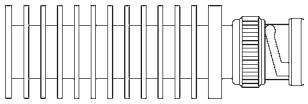
MODEL NO.	CONNECTOR A 50 Ω	CONNECTOR B 75 Ω	FREQUENCY (DC TO GHz)	VSWR (MAXIMUM)	ATTENUATION LOSS	ACCURACY	PRICE			
							1-24	25-49	50-99	100 +
PE7006	BNC MALE	BNC FEMALE	1	1.20:1	5.7 dB	± .5 dB	$39.85	$37.06	$34.27	$31.88
PE7007	BNC FEMALE	BNC MALE	1	1.20:1	5.7 dB	± .5 dB	39.85	37.06	34.27	31.88
PE7066	BNC MALE	F FEMALE	3	1.25:1	5.7 dB	± .5 dB	79.90	74.31	68.71	63.92
PE7067	BNC MALE	F MALE	3	1.25:1	5.7 dB	± .5 dB	81.25	75.56	69.88	65.00
PE7068	BNC FEMALE	F MALE	3	1.25:1	5.7 dB	± .5 dB	83.50	77.66	71.81	66.80
PE7069	BNC FEMALE	F FEMALE	3	1.25:1	5.7 dB	± .5 dB	81.25	75.56	69.88	65.00
PE7027	N MALE	N FEMALE*	.5	1.20:1	5.7 dB	± .5 dB	77.60	72.17	66.74	62.08
PE7028	N FEMALE	N MALE*	1	1.20:1	5.7 dB	± .5 dB	77.60	72.17	66.74	62.08
PE7070	N MALE	N FEMALE*	3	1.35:1	5.7 dB	± .5 dB	79.90	74.31	68.71	63.92
PE7083	N FEMALE	N MALE*	3	1.35:1	5.7 dB	± .5 dB	81.25	75.56	69.88	65.00
PE7071	N MALE	F FEMALE	3	1.25:1	5.7 dB	± .5 dB	79.15	73.61	68.07	63.32
PE7072	N MALE	F MALE	3	1.25:1	5.7 dB	± .5 dB	81.25	75.56	69.88	65.00
PE7073	N FEMALE	F MALE	3	1.25:1	5.7 dB	± .5 dB	79.15	73.61	68.07	63.32
PE7074	N FEMALE	F FEMALE	3	1.25:1	5.7 dB	± .5 dB	79.90	74.31	68.71	63.92
PE7075	SMA MALE	F MALE	3	1.25:1	5.7 dB	± .5 dB	81.25	75.56	69.88	65.00
PE7076	SMA MALE	F FEMALE	3	1.25:1	5.7 dB	± .5 dB	79.90	74.31	68.71	63.92
PE7077	SMA FEMALE	F MALE	3	1.25:1	5.7 dB	± .5 dB	79.15	73.61	68.07	63.32
PE7078	SMA FEMALE	F FEMALE	3	1.25:1	5.7 dB	± .5 dB	79.90	74.31	68.71	63.92
PE7079	TNC MALE	F FEMALE	3	1.25:1	5.7 dB	± .5 dB	87.00	80.91	74.82	69.60
PE7080	TNC MALE	F MALE	3	1.25:1	5.7 dB	± .5 dB	87.00	80.91	74.82	69.60
PE7081	TNC FEMALE	F MALE	3	1.25:1	5.7 dB	± .5 dB	87.00	80.91	74.82	69.60
PE7082	TNC FEMALE	F FEMALE	3	1.25:1	5.7 dB	± .5 dB	87.00	80.91	74.82	69.60

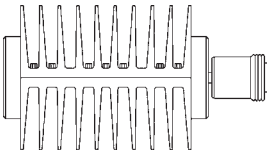
*WARNING: 75 Ω N CONNECTORS WILL NOT MATE TO STANDARD 50 Ω N CONNECTORS.

HIGH POWER TERMINATIONS









	MODEL NO.	CONNECTOR SERIES	POWER HANDLING CAP. WATTS	FREQUENCY RANGE (DC TO GHz)	VSWR (MAXIMUM)	PRICE			
						1-24	25-49	50-99	100 +
	PE6095	SMA MALE	5	18	1.25	$92.50	$86.03	$79.55	$74.00
	PE6096	SMA FEMALE	5	18	1.25	121.90	113.37	104.83	97.52
	PE6097	N MALE	5	18	1.25	88.35	82.17	75.98	70.68
	PE6098	N FEMALE	5	18	1.25	89.85	83.56	77.27	71.88
	PE6099	TNC MALE	5	18	1.25	114.15	106.16	98.17	91.32
	PE6138	TNC FEMALE	5	18	1.25	116.10	107.97	99.85	92.88
	PE6100	7/16 MALE	5	7	1.25	116.10	107.97	99.85	92.88
	PE6139	7/16 FEMALE	5	7	1.25	116.10	107.97	99.85	92.88
	PE6034	BNC MALE	10	4	1.25	126.50	117.65	108.79	101.20
	PE6101	BNC FEMALE	10	4	1.25	151.00	140.43	129.86	120.80
	PE6035	N MALE	10	18	1.25	193.90	180.33	166.75	155.12
	PE6102	N FEMALE	10	18	1.25	199.10	185.16	171.23	159.28
	PE6036	SMA MALE	10	18	1.25	169.95	158.05	146.16	135.96
	PE6103	SMA FEMALE	10	18	1.40	166.30	154.66	143.02	133.04
	PE6104	TNC MALE	10	18	1.25	208.90	194.28	179.65	167.12
	PE6140	TNC FEMALE	10	18	1.25	212.45	197.58	182.71	169.96
	PE6105	7/16 MALE	10	7	1.25	230.70	214.55	198.40	184.56
	PE6141	7/16 FEMALE	10	7	1.25	230.70	214.55	198.40	184.56
	PE6106	N MALE	25	18	1.40	308.40	286.81	265.22	246.72
	PE6037	N FEMALE	25	18	1.25	406.65	378.18	349.72	325.32
	PE6038	SMA FEMALE	25	18	1.40	342.75	318.76	294.77	274.20
	PE6107	7/16 MALE	25	7	1.25	348.60	324.20	299.80	278.88
NEW	PE6166	SMA MALE	50	4	1.25	371.45	345.45	319.45	297.16
NEW	PE6167	N MALE	50	4	1.25	371.45	345.45	319.45	297.16
NEW	PE6169	7/16 MALE	50	4	1.25	398.00	370.14	342.28	318.40
	PE6039	N FEMALE	50	18	1.45	423.75	394.09	364.43	339.00
	PE6040	SMA FEMALE	50	18	1.45	430.65	400.50	370.36	344.52
	PE6112	7/16 FEMALE	50	7	1.35	435.90	405.39	374.87	348.72
	PE6041	BNC FEMALE	100	2	1.25	641.10	596.22	551.35	512.88
	PE6042	N FEMALE	100	2	1.25	666.95	620.26	573.58	533.56
	PE6043	SMA FEMALE	100	2	1.25	685.55	637.56	589.57	548.44
	PE6137	7/16 FEMALE	100	2	1.25	705.45	656.07	606.69	564.36
NEW	PE6168	N MALE	100	4	1.25	663.40	616.96	570.52	530.72

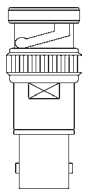
FEEDTHRU TERMINATIONS

BNC, 1/4 WATT, DC-1 GHZ

Model No.	Impedance
PE6008-50	50 Ω
PE6008-75	75 Ω
PE6008-XX*	Any

*Price Upon Request

VSWR: 1.20:1, MAXIMUM

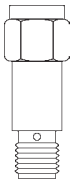


1-24	25-49
$30.65	$28.50
50-99	**100 +**
$26.36	$24.52

SMA, 2 WATT, DC-1 GHZ

Model No.	Impedance
PE6026	50 Ω

VSWR: 1.25:1, MAXIMUM

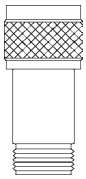


1-24	25-49
$64.55	$60.03
50-99	**100 +**
$55.51	$51.64

N, 2 WATT, DC-1 GHZ

Model No.	Impedance
PE6033	50 Ω

VSWR: 1.65:1, MAXIMUM



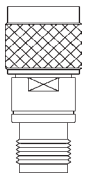
1-24	25-49
$75.40	$70.12
50-99	**100 +**
$64.84	$60.32

TNC, 1 WATT, DC-1 GHZ

Model No.	Impedance
PE6142-50	50 Ω
PE6142-75	75 Ω
PE6142-XX*	Any

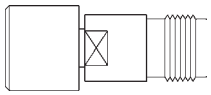
*Price Upon Request

VSWR: 1.20:1, MAXIMUM

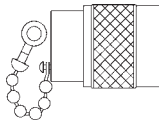


1-24	25-49
$41.25	$38.36
50-99	**100 +**
$35.48	$33.00

50 Ω TERMINATIONS



Female - No Chain



Male - With Chain

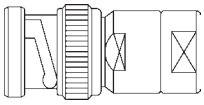
MODEL NO.	CONNECTOR SERIES	CHAIN	FREQUENCY RANGE (DC TO GHz)	POWER HANDLING CAP. WATTS	VSWR (MAX.)	PRICE 1-24	25-49	50-99	100 +
PE6155	BNC MALE	NO	1	2	1.10	$18.95	$17.62	$16.30	$15.16
PE6156	BNC MALE	NO	4	2	1.35	20.05	18.65	17.24	16.04
PE6152	N MALE	NO	1	2	1.05	20.05	18.65	17.24	16.04
PE6153	N MALE	NO	2	2	1.10	22.30	20.74	19.18	17.84
PE6154	N MALE	NO	4	2	1.10	25.05	23.30	21.54	20.04
PE6164	QMA MALE	NO	12.4	1	1.30	18.20	16.93	15.65	14.56
PE6070	SMA FEMALE	YES	12.4	1/2	1.17	41.70	38.78	35.86	33.36
PE6003	SMA FEMALE	NO	12.4	1/2	1.17	35.80	33.29	30.79	28.64
PE6148	SMA MALE	NO	1	1	1.05	17.85	16.60	15.35	14.28
PE6149	SMA MALE	NO	2.5	1	1.10	20.60	19.16	17.72	16.48
PE6150	SMA MALE	NO	4	1	1.10	23.10	21.48	19.87	18.48
PE6151	SMA MALE	NO	8	1	1.15	25.55	23.76	21.97	20.44
PE6069	SMA MALE	YES	12.4	1/2	1.17	42.60	39.62	36.64	34.08
PE6002	SMA MALE	NO	12.4	1/2	1.17	39.50	36.74	33.97	31.60
PE6160	SMP FEMALE	NO	10	1	1.25	146.20	135.97	125.73	116.96
PE6161	SMP MALE	NO	10	1	1.25	145.15	134.99	124.83	116.12
PE6157	TNC MALE	NO	2	2	1.15	20.25	18.83	17.42	16.20
PE6158	TNC MALE	NO	4	2	1.15	22.65	21.06	19.48	18.12

50 & 75 Ω PRECISION TERMINATIONS

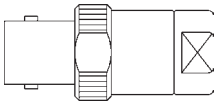
***2.92mm connectors will mate with SMA, 3.5mm and K connectors. The K connector is a registered trademark of the Anritsu® Company.**

MODEL NO.	CONNECTOR SERIES	CHAIN	FREQUENCY RANGE (DC TO GHz)	POWER HANDLING CAP. WATTS	VSWR (MAX.)	PRICE 1-24	25-49	50-99	100 +
PE6086	2.92mm MALE*	YES	40	1/2	1.20	$308.40	$286.81	$265.22	$246.72
PE6085	2.92mm MALE*	NO	40	1/2	1.20	303.90	282.63	261.35	243.12
PE6162	MINI SMP FEMALE	NO	40	1/2	1.35	174.25	162.05	149.86	139.40
PE6163	MINI SMP MALE	NO	40	1/2	1.35	174.25	162.05	149.86	139.40
PE6076	N FEMALE	YES	18	2	1.30	75.40	70.12	64.84	60.32
PE6032	N FEMALE	NO	18	2	1.30	56.05	52.13	48.20	44.84
PE6075	N MALE	YES	18	2	1.30	49.00	45.57	42.14	39.20
PE6009	N MALE	NO	18	2	1.30	42.65	39.66	36.68	34.12
PE6074	SMA FEMALE	YES	18	1	1.20	63.25	58.82	54.40	50.60
PE6084	SMA FEMALE	YES	18	2	1.20	58.10	54.03	49.97	46.48
PE6073	SMA FEMALE	NO	18	1	1.20	51.50	47.90	44.29	41.20
PE6083	SMA FEMALE	NO	18	2	1.20	47.70	44.36	41.02	38.16
PE6080	SMA FEMALE	YES	26.5	1	1.35	85.00	79.05	73.10	68.00
PE6079	SMA FEMALE	NO	26.5	1	1.35	77.65	72.21	66.78	62.12
PE6072	SMA MALE	YES	18	1	1.20	52.30	48.64	44.98	41.84
PE6082	SMA MALE	YES	18	2	1.20	54.55	50.73	46.91	43.64
PE6071	SMA MALE	NO	18	1	1.20	44.45	41.34	38.23	35.56
PE6081	SMA MALE	NO	18	2	1.20	46.95	43.66	40.38	37.56
PE6078	SMA MALE	YES	26.5	1	1.35	77.65	72.21	66.78	62.12
PE6077	SMA MALE	NO	26.5	1	1.25	76.40	71.05	65.70	61.12
PE6092	TNC FEMALE	YES	18	2	1.25	95.80	89.09	82.39	76.64
PE6091	TNC FEMALE	NO	18	2	1.25	89.85	83.56	77.27	71.88
PE6090	TNC MALE	YES	18	2	1.25	101.70	94.58	87.46	81.36
PE6089	TNC MALE	NO	18	2	1.25	97.25	90.44	83.64	77.80
75 Ω									
PE6165	75 Ω HD BNC	NO	3	1/4	1.25	17.55	16.32	15.09	14.04

RESISTOR TERMINATIONS



Male



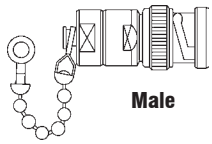
FEMALE

1% TOLERANCE, ½ WATT MAXIMUM DISSIPATION

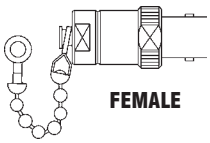
Model No.	Connector	Impedance Ω	PRICE 1-24	25-49	50-99	100 +
PE6000-50	BNC MALE	50	$17.05	$15.86	$14.66	$13.64
PE6000-75	BNC MALE (1)	75	17.05	15.86	14.66	13.64
PE6000-93	BNC MALE (1)	93	17.05	15.86	14.66	13.64
PE6001-50	N MALE	50	17.85	16.60	15.35	14.28
PE6001-75	N MALE (1)	75	17.85	16.60	15.35	14.28
PE6001-93	N MALE (1)	93	17.85	16.60	15.35	14.28
PE6011-50	TNC MALE	50	17.65	16.41	15.18	14.12
PE6011-75	TNC MALE (1)	75	17.65	16.41	15.18	14.12
PE6011-93	TNC MALE (1)	93	17.65	16.41	15.18	14.12
PE6027-50	BNC FEMALE	50	17.65	16.41	15.18	14.12
PE6027-75	BNC FEMALE (1)	75	17.65	16.41	15.18	14.12
PE6028-50	N FEMALE	50	18.80	17.48	16.17	15.04
PE6028-75	N FEMALE (1)	75	18.80	17.48	16.17	15.04
PE6029-50	TNC FEMALE	50	20.45	19.02	17.59	16.36
PE6029-75	TNC FEMALE (1)	75	20.45	19.02	17.59	16.36
PE6044	SMB PLUG	50	21.20	19.72	18.23	16.96
PE6045	SMB JACK	50	27.15	25.25	23.35	21.72
PE6047	75 Ω N MALE	75	21.20	19.72	18.23	16.96
PE6048	75 Ω N FEMALE	75	27.65	25.71	23.78	22.12
PE6049	SMC PLUG	50	21.20	19.72	18.23	16.96
PE6050	SMC JACK	50	21.20	19.72	18.23	16.96
PE6051	75 Ω BNC MALE	75	22.85	21.25	19.65	18.28
PE6052	75 Ω BNC FEMALE	75	21.20	19.72	18.23	16.96
PE6053	75 Ω SMB PLUG	75	27.15	25.25	23.35	21.72
PE6054	75 Ω SMB JACK	75	34.15	31.76	29.37	27.32
PE6055	75 Ω SMC PLUG	75	27.15	25.25	23.35	21.72
PE6056	75 Ω SMC JACK	75	34.15	31.76	29.37	27.32
PE6145	C MALE	50	37.75	35.11	32.47	30.20
PE6146	7/16 MALE	50	66.65	61.98	57.32	53.32
PE6159	MINI 75 Ω SMB PLUG	75	24.75	23.02	21.29	19.80

NOTES: (1) THIS TERMINATION UTILIZES A STANDARD 50 Ω CONNECTOR INTERFACE. FOR SPECIAL VALUES, CHANGE SUFFIX TO DESIRED VALUE - PRICE UPON REQUEST.

RESISTOR TERMINATIONS WITH CHAINS



Male



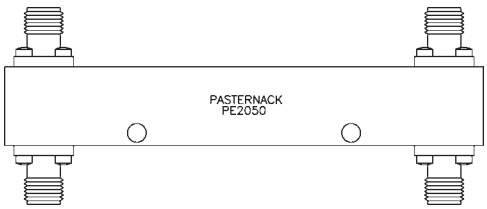
FEMALE

1% TOLERANCE, ½ WATT MAXIMUM DISSIPATION

Model No.	Connector	Impedance Ω	PRICE 1-24	25-49	50-99	100 +
PE6061-50	BNC MALE	50	$20.05	$18.65	$17.24	$16.04
PE6061-75	BNC MALE (1)	75	20.05	18.65	17.24	16.04
PE6061-93	BNC MALE (1)	93	20.05	18.65	17.24	16.04
PE6062-50	N MALE	50	21.20	19.72	18.23	16.96
PE6062-75	N MALE (1)	75	21.20	19.72	18.23	16.96
PE6062-93	N MALE (1)	93	21.20	19.72	18.23	16.96
PE6063-50	TNC MALE	50	23.55	21.90	20.25	18.84
PE6063-75	TNC MALE (1)	75	23.55	21.90	20.25	18.84
PE6063-93	TNC MALE (1)	93	23.55	21.90	20.25	18.84
PE6064-50	BNC FEMALE	50	23.55	21.90	20.25	18.84
PE6064-75	BNC FEMALE (1)	75	23.55	21.90	20.25	18.84
PE6065-50	N FEMALE	50	24.75	23.02	21.29	19.80
PE6065-75	N FEMALE (1)	75	24.75	23.02	21.29	19.80
PE6066-50	TNC FEMALE	50	24.75	23.02	21.29	19.80
PE6066-75	TNC FEMALE (1)	75	24.75	23.02	21.29	19.80
PE6067	75 Ω N MALE	75	27.15	25.25	23.35	21.72
PE6068	75 Ω N FEMALE	75	30.65	28.50	26.36	24.52
PE6093	75 Ω BNC MALE	75	30.35	28.23	26.10	24.28
PE6094	75 Ω BNC FEMALE	75	27.15	25.25	23.35	21.72
PE6147	C MALE	50	41.25	38.36	35.48	33.00

NOTES: (1) THIS TERMINATION UTILIZES A STANDARD 50 Ω CONNECTOR INTERFACE. FOR SPECIAL VALUES, CHANGE SUFFIX TO DESIRED VALUE - PRICE UPON REQUEST.

90° HYBRIDS

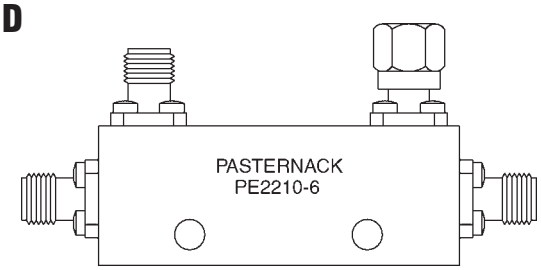


ALL CONNECTORS ARE SMA FEMALE

MODEL NO.	FREQUENCY RANGE (GHz)	COUPLING OR THRU LOSS (dB) INCLUDES FREQ. SENSITIVITY	FREQUENCY SENSITIVITY (dB)	ISOLATION (dB Min.)	VSWR (MAX.)	POWER AVERAGE (WATTS)	PEAK (KW)	PRICE 1-24	25-49	50-99	100 +
PE2050	0.5 - 1.0	3.1 ± 0.6	± 0.5	28	1.10	50	3	$321.60	$299.09	$276.58	$257.28
PE2051	1.0 - 2.0	3.1 ± 0.6	± 0.5	28	1.10	50	3	321.60	299.09	276.58	257.28
PE2052	2.0 - 4.0	3.1 ± 0.6	± 0.5	22	1.20	50	3	354.95	330.10	305.26	283.96
PE2053	2.6 - 5.2	3.1 ± 0.6	± 0.5	20	1.25	50	3	388.25	361.07	333.90	310.60
PE2054	4.0 - 8.0	3.2 ± 0.7	± 0.5	18	1.25	50	3	388.25	361.07	333.90	310.60
PE2055	6.0 - 12.4	3.2 ± 0.7	± 0.5	18	1.35	50	3	421.45	391.95	362.45	337.16
PE2056	7.5 - 16.0	3.4 ± 0.9	± 0.6	15	1.45	40	2	421.45	391.95	362.45	337.16
PE2057	12.0 - 18.0	3.4 ± 1.0	± 0.7	15	1.50	40	1	366.00	340.38	314.76	292.80
PE2058	2.0 - 8.0	3.3 ± 0.8	± 0.4	17	1.30	30	3	403.30	375.07	346.84	322.64
PE2059	4.0 - 12.4	3.3 ± 0.8	± 0.4	17	1.40	20	2	461.75	429.43	397.11	369.40
PE2060	7.0 - 18.0	3.5 ± 1.25	± 0.75	13	1.50	20	1	499.15	464.21	429.27	399.32

DIRECTIONAL COUPLERS

BROADBAND



CODE	OPERATING TEMPERATURE
A	- 55°C TO +105°C
B	- 20°C TO +70°C
C	- 55°C TO +85°C

ALL CONNECTORS ARE SMA FEMALE OR N FEMALE

MODEL NO.	CONNECTOR TYPE	FREQUENCY RANGE (GHz)	COUPLING (dB) INCLUDES FREQUENCY SENSITIVITY	FREQUENCY SENSITIVITY (dB)	INSERTION LOSS (dB) (EXCLUDING COUPLED POWER)	DIRECTIVITY (dB MINIMUM)	VSWR (MAXIMUM) PRIMARY LINE	VSWR (MAXIMUM) SECONDARY LINE	POWER AVG. INC. WATTS	TEMP. RANGE (CODE)	PRICE 1-24	PRICE 25-49	PRICE 50-99	PRICE 100 +
PE2208-6	SMA FEMALE	0.5 - 2.0	6 ± 1.00	± 0.75	0.35	23	1.20	1.20	50		$366.00	$340.38	$314.76	$292.80
PE2208-10	SMA FEMALE	0.5 - 2.0	10 ± 1.00	± 0.75	0.35	23	1.20	1.20	50	A	366.00	340.38	314.76	292.80
PE2208-20	SMA FEMALE	0.5 - 2.0	20 ± 1.00	± 0.75	0.35	23	1.20	1.20	50		366.00	340.38	314.76	292.80
PE2209-6	SMA FEMALE	1.0 - 4.0	6 ± 1.00	± 0.50	0.35	23	1.20	1.20	50		366.00	340.38	314.76	292.80
PE2209-10	SMA FEMALE	1.0 - 4.0	10 ± 1.00	± 0.50	0.35	23	1.20	1.20	50	A	366.00	340.38	314.76	292.80
PE2209-20	SMA FEMALE	1.0 - 4.0	20 ± 1.00	± 0.50	0.40	23	1.20	1.20	50		377.00	350.61	324.22	301.60
PE2210-6	SMA FEMALE	2.0 - 8.0	6 ± 1.00	± 0.50	0.50	20	1.25	1.25	50		366.00	340.38	314.76	292.80
PE2210-10	SMA FEMALE	2.0 - 8.0	10 ± 1.00	± 0.50	0.35	20	1.25	1.25	50	A	366.00	340.38	314.76	292.80
PE2210-20	SMA FEMALE	2.0 - 8.0	20 ± 1.00	± 0.60	0.40	20	1.25	1.25	50		366.00	340.38	314.76	292.80
PE2211-6	SMA FEMALE	4.0 - 12.4	6 ± 1.00	± 0.50	0.50	17	1.30	1.30	50		366.00	340.38	314.76	292.80
PE2211-10	SMA FEMALE	4.0 - 12.4	10 ± 1.00	± 0.50	0.50	17	1.30	1.30	50	A	366.00	340.38	314.76	292.80
PE2211-20	SMA FEMALE	4.0 - 12.4	20 ± 1.00	± 0.60	0.50	17	1.30	1.30	50		366.00	340.38	314.76	292.80
PE2212-10	SMA FEMALE	7.0 - 18.0	10 ± 1.25	± 0.75	0.60	15	1.35	1.40	50	A	387.75	360.61	333.47	310.20
PE2213-10	SMA FEMALE	0.6 - 4.0	10 ± 1.25	± 0.75	0.40	18	1.25	1.30	50	A	554.60	515.78	476.96	443.68
PE2214-10	SMA FEMALE	1.0 - 18.0	10 ± 1.00	± 0.50	0.90	15*	1.40	1.50	25		1331.15	1237.97	1144.79	1064.92
PE2214-16	SMA FEMALE	1.0 - 18.0	16 ± 1.00	± 0.50	0.80	15*	1.40	1.50	25	A	1331.15	1237.97	1144.79	1064.92
PE2214-20	SMA FEMALE	1.0 - 18.0	20 ± 1.00	± 0.50	0.80	15*	1.40	1.50	25		1331.15	1237.97	1144.79	1064.92
PE2215-6	SMA FEMALE	2.0 - 18.0	6 ± 1.00	± 0.50	0.90	15*	1.35	1.50	25		1331.15	1237.97	1144.79	1064.92
PE2215-10	SMA FEMALE	2.0 - 18.0	10 ± 1.00	± 0.50	0.80	15*	1.35	1.50	25	A	1331.15	1237.97	1144.79	1064.92
PE2215-16	SMA FEMALE	2.0 - 18.0	16 ± 1.00	± 0.50	0.80	15*	1.35	1.40	25		1331.15	1237.97	1144.79	1064.92
PE2215-20	SMA FEMALE	2.0 - 18.0	20 ± 1.00	± 0.50	0.80	15*	1.35	1.40	25		1331.15	1237.97	1144.79	1064.92
PE2216-6	SMA FEMALE	4.0 - 18.0	6 ± 1.00	± 0.50	0.90	15*	1.35	1.40	25		554.60	515.78	476.96	443.68
PE2216-10	SMA FEMALE	4.0 - 18.0	10 ± 1.00	± 0.50	0.80	15*	1.35	1.40	25	A	554.60	515.78	476.96	443.68
PE2216-20	SMA FEMALE	4.0 - 18.0	20 ± 1.00	± 0.50	0.60	15*	1.40	1.40	25		554.60	515.78	476.96	443.68
PE2237-6	N FEMALE	0.8-2.5	6 ± 0.5	± 0.70	0.50	20	1.25	1.25	60		318.40	296.11	273.82	254.72
PE2237-10	N FEMALE	0.8-2.5	10 ± 0.8	± 0.70	0.50	20	1.25	1.25	60	B	318.40	296.11	273.82	254.72
PE2237-20	N FEMALE	0.8-2.5	20 ± 1.0	± 0.70	0.40	20	1.25	1.25	60		318.40	296.11	273.82	254.72
PE2237-30	N FEMALE	0.8-2.5	30 ± 1.0	± 0.70	0.40	20	1.25	1.25	60		318.40	296.11	273.82	254.72
PE2238-6	SMA FEMALE	0.8-2.5	6 ± 1.0	± 0.70	0.50	20	1.25	1.25	50		318.40	296.11	273.82	254.72
PE2238-10	SMA FEMALE	0.8-2.5	10 ± 1.0	± 0.70	0.50	20	1.25	1.25	50	C	318.40	296.11	273.82	254.72
PE2238-20	SMA FEMALE	0.8-2.5	20 ± 1.0	± 0.70	0.40	20	1.25	1.25	50		318.40	296.11	273.82	254.72
PE2238-30	SMA FEMALE	0.8-2.5	30 ± 1.0	± 0.70	0.40	20	1.25	1.25	50		318.40	296.11	273.82	254.72

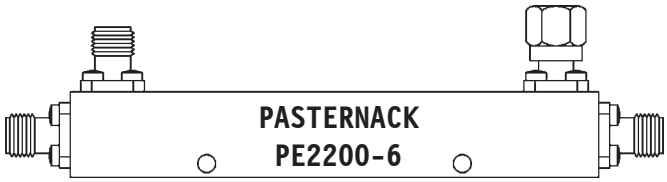
* 12 dB DIRECTIVITY FROM 12.4-18 GHz

NEW

NEW

DIRECTIONAL COUPLERS

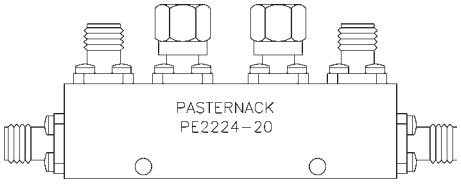
OCTAVE



ALL CONNECTORS ARE SMA FEMALE
OPERATING TEMPERATURE: - 55° C TO +105° C

MODEL NO.	FREQUENCY RANGE (GHz)	COUPLING (dB) INCLUDES FREQUENCY SENSITIVITY	FREQUENCY SENSITIVITY (dB)	INSERTION LOSS (dB) EXCLUDING COUPLED POWER	INSERTION LOSS (dB) TRUE	DIRECTIVITY (dB MINIMUM)	VSWR (MAXIMUM) PRIMARY LINE	VSWR (MAXIMUM) SECONDARY LINE	POWER AVG. INC. WATTS	POWER AVG. RFLCTD. WATTS	POWER PEAK (kW)	PRICE 1-24	PRICE 25-49	PRICE 50-99	PRICE 100 +
PE2200-6	0.5 - 1.0	6 ± 1.00	± 0.60	0.20	1.80	25	1.15	1.15	50	2	3	$277.30	$257.89	$238.48	$221.84
PE2200-10	0.5 - 1.0	10 ± 1.25	± 0.75	0.20	0.80	25	1.10	1.10	50	5	3	277.30	257.89	238.48	221.84
PE2200-20	0.5 - 1.0	20 ± 1.25	± 0.75	0.15	0.20	25	1.10	1.10	50	50	3	277.30	257.89	238.48	221.84
PE2200-30	0.5 - 1.0	30 ± 1.25	± 0.75	0.15	0.20	25	1.10	1.10	50	50	3	277.30	257.89	238.48	221.84
PE2201-6	1.0 - 2.0	6 ± 1.00	± 0.60	0.20	1.80	25	1.15	1.15	50	2	3	277.30	257.89	238.48	221.84
PE2201-10	1.0 - 2.0	10 ± 1.25	± 0.75	0.20	0.80	25	1.10	1.10	50	5	3	277.30	257.89	238.48	221.84
PE2201-20	1.0 - 2.0	20 ± 1.25	± 0.75	0.15	0.20	25	1.10	1.10	50	50	3	277.30	257.89	238.48	221.84
PE2201-30	1.0 - 2.0	30 ± 1.25	± 0.75	0.15	0.20	25	1.10	1.10	50	50	3	277.30	257.89	238.48	221.84
PE2202-6	2.0 - 4.0	6 ± 1.00	± 0.60	0.20	1.80	22	1.15	1.15	50	2	3	277.30	257.89	238.48	221.84
PE2202-10	2.0 - 4.0	10 ± 1.25	± 0.75	0.20	0.80	22	1.15	1.15	50	5	3	277.30	257.89	238.48	221.84
PE2202-20	2.0 - 4.0	20 ± 1.25	± 0.75	0.15	0.20	22	1.15	1.15	50	50	3	277.30	257.89	238.48	221.84
PE2202-30	2.0 - 4.0	30 ± 1.25	± 0.75	0.15	0.20	22	1.15	1.15	50	50	3	277.30	257.89	238.48	221.84
PE2203-6	2.6 - 5.2	6 ± 1.00	± 0.60	0.20	1.80	20	1.25	1.25	50	2	3	277.30	257.89	238.48	221.84
PE2203-10	2.6 - 5.2	10 ± 1.25	± 0.75	0.20	0.80	20	1.25	1.25	50	5	3	277.30	257.89	238.48	221.84
PE2203-20	2.6 - 5.2	20 ± 1.25	± 0.75	0.20	0.25	20	1.25	1.25	50	50	3	277.30	257.89	238.48	221.84
PE2203-30	2.6 - 5.2	30 ± 1.25	± 0.75	0.20	0.20	20	1.25	1.25	50	50	3	277.30	257.89	238.48	221.84
PE2204-6	4.0 - 8.0	6 ± 1.00	± 0.60	0.25	1.90	20	1.25	1.25	50	2	3	277.30	257.89	238.48	221.84
PE2204-10	4.0 - 8.0	10 ± 1.25	± 0.75	0.25	0.90	20	1.25	1.25	50	5	3	277.30	257.89	238.48	221.84
PE2204-20	4.0 - 8.0	20 ± 1.25	± 0.75	0.25	0.30	20	1.25	1.25	50	50	3	277.30	257.89	238.48	221.84
PE2204-30	4.0 - 8.0	30 ± 1.25	± 0.75	0.25	0.25	20	1.25	1.25	50	50	3	277.30	257.89	238.48	221.84
PE2205-6	7.0 - 12.4	6 ± 1.00	± 0.50	0.30	2.00	17	1.30	1.30	50	2	3	345.00	320.85	296.70	276.00
PE2205-10	7.0 - 12.4	10 ± 1.00	± 0.50	0.30	1.00	17	1.30	1.30	50	5	3	345.00	320.85	296.70	276.00
PE2205-20	7.0 - 12.4	20 ± 1.00	± 0.50	0.30	0.35	17	1.30	1.30	50	50	3	345.00	320.85	296.70	276.00
PE2205-30	7.0 - 12.4	30 ± 1.00	± 0.50	0.30	0.30	17	1.30	1.30	50	50	3	345.00	320.85	296.70	276.00
PE2206-6	7.5 - 16.0	6 ± 1.10	± 0.60	0.60	2.00	12	1.35	1.40	50	2	2	345.00	320.85	296.70	276.00
PE2206-10	7.5 - 16.0	10 ± 1.25	± 0.75	0.60	1.00	12	1.35	1.40	50	5	2	345.00	320.85	296.70	276.00
PE2206-20	7.5 - 16.0	20 ± 1.25	± 0.75	0.50	0.55	15	1.35	1.40	50	50	2	345.00	320.85	296.70	276.00
PE2206-30	7.5 - 16.0	30 ± 1.25	± 0.75	0.50	0.50	15	1.35	1.40	50	50	2	345.00	320.85	296.70	276.00
PE2207-6	12.4 - 18.0	6 ± 1.00	± 0.50	0.60	2.20	15	1.30	1.40	50	2	1	355.35	330.48	305.60	284.28
PE2207-10	12.4 - 18.0	10 ± 1.00	± 0.50	0.60	1.20	15	1.30	1.40	50	5	1	355.35	330.48	305.60	284.28
PE2207-20	12.4 - 18.0	20 ± 1.00	± 0.50	0.50	0.55	15	1.30	1.40	50	50	1	355.35	330.48	305.60	284.28
PE2207-30	12.4 - 18.0	30 ± 1.00	± 0.50	0.50	0.50	15	1.30	1.40	50	50	1	355.35	330.48	305.60	284.28

DUAL DIRECTIONAL COUPLERS



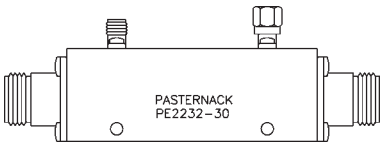
ALL CONNECTORS ARE SMA FEMALE
OPERATING TEMPERATURE: - 55° C TO +105° C

PRICE			
1-24	25-49	50-99	100 +
$554.60	$515.78	$476.96	$443.68

MODEL NO.	FREQUENCY RANGE (GHz)	COUPLING (dB) INCLUDES FREQUENCY SENSITIVITY	FREQUENCY SENSITIVITY (dB)	TRUE INSERTION LOSS (dB MAX.)	DIRECTIVITY (dB MINIMUM)	VSWR (MAXIMUM)		POWER AVERAGE INCIDENT WATTS	POWER PEAK (kW)
						PRIMARY LINE	SECONDARY LINE		
PE2217-10	0.5 - 1.0	10 ± 1.25	± 0.80	1.50	22	1.15	1.10	10	3
PE2217-20	0.5 - 1.0	20 ± 1.25	± 0.80	0.50	22	1.15	1.10	50	3
PE2217-30	0.5 - 1.0	30 ± 1.25	± 0.80	0.40	22	1.15	1.10	50	3
PE2218-10	1.0 - 2.0	10 ± 1.25	± 0.80	1.50	22	1.15	1.10	10	3
PE2218-20	1.0 - 2.0	20 ± 1.25	± 0.80	0.50	22	1.15	1.10	50	3
PE2218-30	1.0 - 2.0	30 ± 1.25	± 0.80	0.40	22	1.15	1.10	50	3
PE2219-10	2.0 - 4.0	10 ± 1.25	± 0.80	1.50	20	1.20	1.15	10	3
PE2219-20	2.0 - 4.0	20 ± 1.25	± 0.80	0.50	20	1.20	1.15	50	3
PE2219-30	2.0 - 4.0	30 ± 1.25	± 0.80	0.40	20	1.20	1.15	50	3
PE2220-10	2.6 - 5.2	10 ± 1.25	± 0.80	1.50	18	1.30	1.25	10	3
PE2220-20	2.6 - 5.2	20 ± 1.25	± 0.80	0.50	18	1.30	1.25	50	3
PE2220-30	2.6 - 5.2	30 ± 1.25	± 0.80	0.40	18	1.30	1.25	50	3
PE2221-10	4.0 - 8.0	10 ± 1.25	± 0.80	1.70	18	1.35	1.25	10	3
PE2221-20	4.0 - 8.0	20 ± 1.25	± 0.80	0.50	18	1.35	1.25	50	3
PE2221-30	4.0 - 8.0	30 ± 1.25	± 0.80	0.40	18	1.35	1.25	50	3
PE2222-10	7.0 - 12.4	10 ± 1.25	± 0.60	1.90	16	1.35	1.30	10	3
PE2222-20	7.0 - 12.4	20 ± 1.25	± 0.60	0.70	16	1.35	1.30	50	3
PE2222-30	7.0 - 12.4	30 ± 1.25	± 0.60	0.60	16	1.35	1.30	50	3
PE2223-10	8.0 - 16.0	10 ± 1.25	± 0.80	2.20	15	1.40	1.40	10	2
PE2223-20	8.0 - 16.0	20 ± 1.25	± 0.80	1.00	15	1.40	1.40	50	2
PE2223-30	8.0 - 16.0	30 ± 1.25	± 0.80	1.00	15	1.40	1.40	50	2
PE2224-20	12.4 - 18.0	20 ± 1.25	± 0.60	1.00	15	1.40	1.40	50	1
PE2224-30	12.4 - 18.0	30 ± 1.25	± 0.60	1.00	15	1.40	1.40	50	1

HIGH POWER DIRECTIONAL COUPLERS

600 WATTS CW
10K PEAK



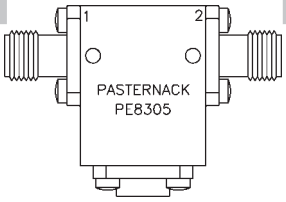
INPUT & OUTPUT CONNECTORS ARE N FEMALE
COUPLED PORT IS SMA FEMALE

MODEL NO.	FREQUENCY RANGE (GHz)	COUPLING (dB) INCLUDES FREQ. SENSITIVITY	FREQUENCY SENSITIVITY (dB)	INSERTION LOSS (dB MAX.)	DIRECTIVITY (dB Min.)	VSWR (MAX.) PRIMARY LINE	PRICE			
							1-24	25-49	50-99	100 +
PE2225-30	0.5 - 2.0	30 ± 1.0	± 0.75	0.2	18	1.15	$1109.25	$1031.60	$953.96	$887.40
PE2226-30	1.0 - 2.0	30 ± 1.0	± 0.75	0.2	5	1.15	986.75	917.68	848.61	789.40
PE2227-30	2.0 - 4.0	30 ± 1.0	± 0.75	0.2	18	1.15	1108.30	1030.72	953.14	886.64
PE2228-30	1.0 - 4.0	30 ± 1.0	± 0.70	0.2	15	1.15	1378.65	1282.14	1185.64	1102.92
PE2229-30	2.6 - 5.2	30 ± 1.0	± 0.75	0.2	18	1.20	934.20	868.81	803.41	747.36
PE2230-30	4.0 - 8.0	30 ± 1.0	± 0.75	0.2	18	1.30	983.80	914.93	846.07	787.04
PE2231-30	1.5 - 4.5	30 ± 1.0	± 0.60	0.2	18	1.20	1255.30	1167.43	1079.56	1004.24
PE2232-30	2.0 - 8.0	30 ± 1.0	± 0.60	0.2	16	1.30	1492.60	1388.12	1283.64	1194.08
PE2233-30	7.0 - 11.0	30 ± 1.0	± 0.50	0.2	16	1.30	934.20	868.81	803.41	747.36
PE2234-30	5.0 - 11.0	30 ± 1.0	± 0.50	0.2	15	1.30	776.55	722.19	667.83	621.24
PE2235-30	4.0 - 12.0	30 ± 1.0	± 0.60	0.2	15	1.30	1255.30	1167.43	1079.56	1004.24
PE2236-35	1.0 - 11.0	35 ± 1.5	± 1.50	0.2	15	1.30	1885.85	1753.84	1621.83	1508.68
PE2239-30	1.0 - 8.0	30 ± 1.0	± 0.75	0.2	15	1.30	1493.15	1388.63	1284.11	1194.52

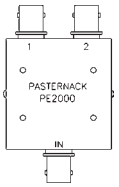
NEW

FERRITE ISOLATORS & CIRCULATORS

ISOLATOR MODEL NO.	CIRCULATOR MODEL NO.	CONNECTOR TYPE	FREQUENCY RANGE (GHz)	ISOLATION (dB MIN.)	VSWR (MAXIMUM)	PRICE 1-24	25-49	50-99	100 +
PE8300	PE8400	SMA FEMALE	1 - 2	18	1.35	$513.90	$477.93	$441.95	$411.12
PE8301	PE8401	SMA FEMALE	2 - 4	18	1.30	397.85	370.00	342.15	318.28
PE8302	PE8402	SMA FEMALE	4 - 8	18	1.30	236.35	219.81	203.26	189.08
PE8303	PE8403	SMA FEMALE	7 - 12.4	20	1.25	211.65	196.83	182.02	169.32
PE8304	PE8404	SMA FEMALE	8 - 18	16	1.45	234.00	217.62	201.24	187.20
PE8305	PE8405	SMA FEMALE	11 - 18	20	1.25	207.45	192.93	178.41	165.96
PE8306	PE8406	SMA FEMALE	18 - 26.5	17	1.40	232.40	216.13	199.86	185.92
PE8310	PE8410	N FEMALE	1 - 2	18	1.35	717.25	667.04	616.84	573.80
PE8311	PE8411	N FEMALE	2 - 4	18	1.30	550.40	511.87	473.34	440.32
PE8312	PE8412	N FEMALE	4 - 8	18	1.30	439.20	408.46	377.71	351.36



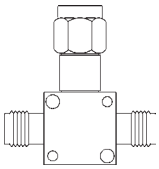
POWER DIVIDERS

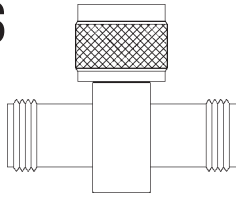


Model No.	FREQUENCY RANGE	NUMBER OF OUTPUT PORTS	CONNECTORS	ISOLATION (dB MINIMUM)	VSWR (MAXIMUM)	MAXIMUM INSERTION LOSS (dB)	PRICE 1-24	25-49	50-99	100 +
PE2000	2-500 MHz	2	BNC FEMALE	25	1.35	1.00	$141.15	$131.27	$121.39	$112.92
PE2001	2-500 MHz	4	BNC FEMALE	22	1.35	1.50	277.30	257.89	238.48	221.84
PE2002	2-500 MHz	8	BNC FEMALE	20	1.50	2.00	443.70	412.64	381.58	354.96
PE2003	10-1000 MHz	2	BNC FEMALE	20	1.50	1.50	166.35	154.71	143.06	133.08
PE2004	10-1000 MHz	4	BNC FEMALE	20	1.70	2.00	366.00	340.38	314.76	292.80
PE2005	2-500 MHz	12	BNC FEMALE	20	1.50	3.00	610.10	567.39	524.69	488.08
PE2006	1-175 MHz	6	BNC FEMALE	20	1.50	1.50	421.45	391.95	362.45	337.16
PE2007	2-200 MHz	3	BNC FEMALE	25	1.35	1.00	277.30	257.89	238.48	221.84
PE2008	.5-1 GHz	2	SMA FEMALE	22	1.20	0.20	277.30	257.89	238.48	221.84
PE2009	.5-1 GHz	4	SMA FEMALE	20	1.30	0.40	366.00	340.38	314.76	292.80
NEW PE2074	.8-2.5 GHz	2	SMA FEMALE	20	1.30	0.40	265.30	246.73	228.16	212.24
NEW PE2075	.8-2.5 GHz	4	SMA FEMALE	20	1.30	0.70	371.45	345.45	319.45	297.16
NEW PE2076	.8-2.5 GHz	8	SMA FEMALE	20	1.40	1.20	530.75	493.60	456.45	424.60
PE2011	1-2 GHz	2	SMA FEMALE	22	1.25	0.25	246.05	228.83	211.60	196.84
PE2012	1-2 GHz	4	SMA FEMALE	20	1.60	0.60	410.35	381.63	352.90	328.28
PE2014	2-4 GHz	2	SMA FEMALE	20	1.30	0.30	222.25	206.69	191.14	177.80
PE2015	2-4 GHz	4	SMA FEMALE	18	1.50	0.60	443.70	412.64	381.58	354.96
PE2026	2-8 GHz	2	SMA FEMALE	20	1.35	0.40	349.70	325.22	300.74	279.76
PE2031	2-8 GHz	4	SMA FEMALE	18	1.50	1.00	461.05	428.78	396.50	368.84
PE2028	2-18 GHz	2	SMA FEMALE	20	1.50	1.00	443.70	412.64	381.58	354.96
PE2029	2-18 GHz	4	SMA FEMALE	15	1.60	2.00	856.15	796.22	736.29	684.92
PE2017	4-8 GHz	2	SMA FEMALE	20	1.30	0.35	277.30	257.89	238.48	221.84
PE2018	4-8 GHz	4	SMA FEMALE	20	1.40	0.40	366.00	340.38	314.76	292.80
PE2020	7-12.4 GHz	2	SMA FEMALE	20	1.35	0.40	277.30	257.89	238.48	221.84
PE2021	7-12.4 GHz	4	SMA FEMALE	16	1.50	1.00	366.00	340.38	314.76	292.80
PE2027	8-18 GHz	2	SMA FEMALE	20	1.40	0.60	414.15	385.16	356.17	331.32
PE2030	8-18 GHz	4	SMA FEMALE	18	1.50	1.50	499.15	464.21	429.27	399.32
PE2023	12-18 GHz	2	SMA FEMALE	20	1.35	0.60	303.35	282.12	260.88	242.68
PE2024	12-18 GHz	4	SMA FEMALE	18	1.50	1.50	388.25	361.07	333.90	310.60
PE2044	2-500 MHz	2	N FEMALE	25	1.35	1.00	299.20	278.26	257.31	239.36
PE2045	2-500 MHz	4	N FEMALE	22	1.35	1.50	481.35	447.66	413.96	385.08
PE2046	2-500 MHz	8	N FEMALE	20	1.50	2.00	589.65	548.37	507.10	471.72
PE2047	10-1000 MHz	2	N FEMALE	20	1.50	1.50	272.75	253.66	234.57	218.20
PE2032	.5-1 GHz	2	N FEMALE	25	1.20	0.25	443.70	412.64	381.58	354.96
PE2038	.5-1 GHz	4	N FEMALE	20	1.50	2.25	694.70	646.07	597.44	555.76
NEW PE2071	.8-2.5 GHz	2	N FEMALE	20	1.25	0.40	212.30	197.44	182.58	169.84
NEW PE2072	.8-2.5 GHz	3	N FEMALE	20	1.30	0.60	318.40	296.11	273.82	254.72
NEW PE2073	.8-2.5 GHz	4	N FEMALE	20	1.30	0.70	424.60	394.88	365.16	339.68
PE2033	1-2 GHz	2	N FEMALE	25	1.20	0.25	443.70	412.64	381.58	354.96
PE2039	1-2 GHz	4	N FEMALE	20	2.00	2.25	721.00	670.53	620.06	576.80
PE2034	2-4 GHz	2	N FEMALE	18	1.45	0.40	499.15	464.21	429.27	399.32
PE2040	2-4 GHz	4	N FEMALE	20	2.00	2.25	710.65	660.90	611.16	568.52
PE2035	4-8 GHz	2	N FEMALE	20	1.30	0.70	499.15	464.21	429.27	399.32
PE2041	4-8 GHz	4	N FEMALE	20	1.60	2.25	665.50	618.92	572.33	532.40
PE2036	8-12.4 GHz	2	N FEMALE	16	1.60	1.00	499.15	464.21	429.27	399.32
PE2042	8-12.4 GHz	4	N FEMALE	20	1.60	1.50	610.10	567.39	524.69	488.08
PE2037	12-18 GHz	2	N FEMALE	20	1.60	1.00	536.30	498.76	461.22	429.04
PE2043	12-18 GHz	4	N FEMALE	15	1.70	1.50	665.50	618.92	572.33	532.40
PE2048	2-500 MHz*	2	75 Ω BNC FEMALE	25	1.35	1.00	290.00	269.70	249.40	232.00
PE2049	2-500 MHz*	4	75 Ω BNC FEMALE	22	1.35	1.50	321.60	299.09	276.58	257.28
PE2061	2-500 MHz*	8	75 Ω BNC FEMALE	20	1.50	2.00	554.60	515.78	476.96	443.68
PE2062	10-1000 MHz*	2	75 Ω BNC FEMALE	20	1.50	1.50	299.45	278.49	257.53	239.56

***DENOTES 75 Ω POWER DIVIDER**

50 Ω RESISTIVE POWER DIVIDERS





INPUT POWER..... 1 WATT AVERAGE
TEMPERATURE RANGE..... -65°C TO +125°C
OUTPUT PORTS ARE SYMMETRICAL TO MALE INPUT.

MODEL NO.	CONNECTORS	FREQUENCY RANGE (DC TO GHz)	INSERTION LOSS	PHASE TRACKING	VSWR (MAXIMUM)	PRICE			
						1-24	25-29	50-99	100 +
PE2063	2.92mm*	12.4	6 dB	±2°	1.20:1	$299.45	$278.49	$257.53	$239.56
PE2064	2.92mm*	18	7.5 dB	±3°	1.30:1	388.25	361.07	333.90	310.60
PE2065	2.92mm*	26.5	8.5 dB	±4°	1.40:1	554.60	515.78	476.96	443.68
PE2066	N	18	6 dB	±3°	1.35:1	388.25	361.07	333.90	310.60
PE2069	SMA	6	6 dB	±2°	1.20:1	265.35	246.78	228.20	212.28
PE2067	SMA	12.4	6 dB	±2°	1.20:1	332.75	309.46	286.17	266.20
PE2068	SMA	18	7.5 dB	±3°	1.30:1	354.95	330.10	305.26	283.96

*2.92mm connectors will mate with SMA, 3.5mm and K connectors. The K connector is a registered trademark of the Anritsu® Company.

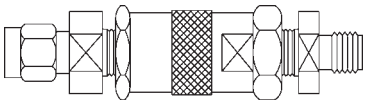
PHASE SHIFTERS

RF POWER: 100 WATTS AVERAGE
3000 WATTS PEAK

MODEL NO.	CONNECTOR	FREQUENCY RANGE	PHASE ADJUSTMENT	INSERTION LOSS (dB MAX.)	VSWR (MAX.)	PRICE			
						1-24	25-49	50-99	100 +
PE8243	SMA FEMALE	DC - 2	60° PER GHz	.5	1.5:1	$685.50	$637.52	$589.53	$548.40
PE8244	SMA FEMALE	DC - 4	60° PER GHz	.5	1.5:1	789.50	734.24	678.97	631.60
PE8245	SMA FEMALE	DC - 8	60° PER GHz	.6	1.5:1	799.80	743.81	687.83	639.84
PE8246	SMA FEMALE	DC - 12	60° PER GHz	.7	1.5:1	871.50	810.50	749.49	697.20
PE8247	SMA FEMALE	DC - 18	60° PER GHz	1.0	1.6:1	905.10	841.74	778.39	724.08
PE8248	SMA FEMALE	18.0 - 26.5	30° PER GHz	1.5	1.8:1	958.60	891.50	824.40	766.88
PE8249	2.92mm FEMALE	26.5 - 40.0	30° PER GHz	2.5	2.0:1	1738.30	1616.62	1494.94	1390.64

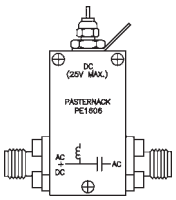
18 GHZ SMA ADJUSTABLE PHASE TRIMMERS

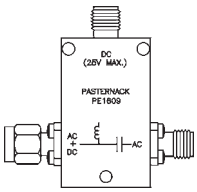
IMPEDANCE..... 50 Ω
VSWR..... 1.30:1 UP TO 18 GHz
INSERTION LOSS..... .5 dB, MAXIMUM AT 18 GHz
PHASE ADJUSTMENT RANGE..... 10° x F(GHz)
FOR EXAMPLE..... 40° AT 4 GHz

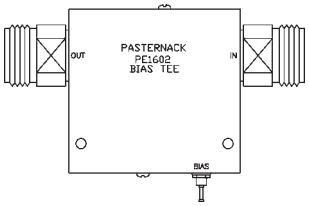


Model No.	Description	PRICE			
		1-24	25-49	50-99	100 +
PE8200	SMA MALE TO SMA FEMALE	$206.95	$192.46	$177.98	$165.56
PE8202	SMA MALE TO (.085" SEMI-RIGID, SOLDER ATTACHMENT)	190.30	176.98	163.66	152.24

BIAS "TEE'S"



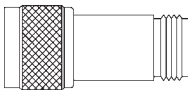


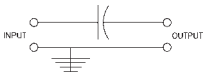


MODEL NO.	CONNECTORS RF OUT & RF IN	BIAS CONNECTORS	FREQUENCY RANGE	VSWR (MAX.)	ISOLATION (RF TO BIAS PORT) TYPICAL	DC VOLT (MAX.)	DC CURRENT (MAX.)	PRICE			
								1-24	25-49	50-99	100 +
PE1610	2.4mm MALE/FEMALE**	SMA FEMALE	100 KHz-50 GHz	1.80:1	30 dB	25	250 mA	$1853.35	$1723.62	$1593.88	$1482.68
PE1609	2.92mm MALE/FEMALE*	SMA FEMALE	100 KHz-40 GHz	1.80:1	30 dB	25	250 mA	1504.80	1399.46	1294.13	1203.84
PE1608	3.5mm FEMALE	SOLDER LUG & PIN	100 KHz-26.5 GHz	1.80:1	30 dB	24	.75 AMPS	897.40	834.58	771.76	717.92
PE1612	N FEMALE	SOLDER LUG & PIN	10 MHz-2.5 GHz	1.60:1	30 dB	100	2.5 AMPS	228.45	212.46	196.47	182.76
PE1614	N FEMALE	SOLDER LUG & PIN	10 MHz-4 GHz	1.60:1	30 dB	100	2.5 AMPS	290.45	270.12	249.79	232.36
PE1616	N FEMALE	SOLDER LUG & PIN	10 MHz-6 GHz	1.60:1	30 dB	100	2.5 AMPS	290.45	270.12	249.79	232.36
PE1618	N FEMALE	SOLDER LUG & PIN	250 MHz-2.5 GHz	1.50:1	20 dB	100	7 AMPS	575.15	534.89	494.63	460.12
PE1606	SMA FEMALE	SOLDER LUG & PIN	100 KHz-12.4 GHz	1.60:1	30 dB	24	.75 AMPS	377.00	350.61	324.22	301.60
PE1607	SMA FEMALE	SOLDER LUG & PIN	100 KHz-18 GHz	1.80:1	30 dB	24	.75 AMPS	452.55	420.87	389.19	362.04
PE1611	SMA FEMALE	SOLDER LUG & PIN	10 MHz-2.5 GHz	1.60:1	30 dB	100	2.5 AMPS	232.35	216.09	199.82	185.88
PE1613	SMA FEMALE	SOLDER LUG & PIN	10 MHz-4 GHz	1.60:1	30 dB	100	2.5 AMPS	297.75	276.91	256.07	238.20
PE1615	SMA FEMALE	SOLDER LUG & PIN	10 MHz-6 GHz	1.60:1	30 dB	100	2.5 AMPS	260.20	241.99	223.77	208.16
PE1604	SMA FEMALE	SOLDER PINS	100 MHz-6 GHz	1.50:1	25 dB	50	500 mA	216.80	201.62	186.45	173.44
PE1617	SMA FEMALE	SOLDER LUG & PIN	250 MHz -2.5 GHz	1.50:1	20 dB	100	7 AMPS	522.85	486.25	449.65	418.28
PE1605	SMA FEMALE	SOLDER PINS	500 MHz-10 GHz	1.50:1	25 dB	50	200 mA	348.60	324.20	299.80	278.88
PE1603	SMA FEMALE	SOLDER PINS	1 GHz-5 GHz	1.50:1	25 dB	50	1000 mA	205.60	191.21	176.82	164.48

*2.92mm connectors will mate with SMA, 3.5mm and K connectors. The K connector is a registered trademark of the Anritsu® Company.
**1.85mm, 2.4mm & V connectors will mate mechanically & electrically to each other. The V connector is a trademark of the Anritsu® Company.

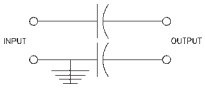
D.C. BLOCKS



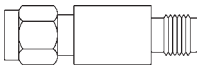


Inner Only

Outer Only



Inner/Outer



MODEL NO.	CONFIGURATION	FREQ. RANGE (10 MHz TO)	TYPE OF D.C. BLOCK	VSWR (MAX.)	INSERTION LOSS (MAX.)	WORKING VOLTAGE	PRICE 1-24	25-49	50-99	100 +
PE8210	SMA MALE TO SMA FEMALE	18 GHz	INNER	1.35	.5 dB	200	$93.30	$86.77	$80.24	$74.64
PE8250	SMA MALE TO SMA FEMALE	18 GHz	INNER	1.60	1.5 dB	950	94.30	87.70	81.10	75.44
PE8211	SMA MALE TO SMA FEMALE	18 GHz	OUTER	1.35	.5 dB	200	159.95	148.75	137.56	127.96
PE8212	SMA MALE TO SMA FEMALE	18 GHz	INNER & OUTER	1.35	.5 dB	200	184.50	171.59	158.67	147.60
PE8213	N MALE TO N FEMALE	18 GHz	INNER	1.35	.6 dB	200	114.55	106.53	98.51	91.64
PE8251	N MALE TO N FEMALE	18 GHz	INNER	1.45	1.5 dB	950	131.40	122.20	113.00	105.12
PE8214	N MALE TO N FEMALE	18 GHz	OUTER	1.35	.6 dB	200	154.15	143.36	132.57	123.32
PE8215	N MALE TO N FEMALE	18 GHz	INNER & OUTER	1.35	.6 dB	200	207.75	193.21	178.67	166.20
PE8216	BNC MALE TO BNC FEMALE	4 GHz	INNER	1.35	.5 dB	200	147.05	136.76	126.46	117.64
PE8217	BNC MALE TO BNC FEMALE	4 GHz	OUTER	1.35	.5 dB	200	179.60	167.03	154.46	143.68
PE8218	BNC MALE TO BNC FEMALE	4 GHz	INNER & OUTER	1.35	.5 dB	200	244.00	226.92	209.84	195.20
PE8219	TNC MALE TO TNC FEMALE	18 GHz	INNER	1.35	.75 dB	200	176.65	164.28	151.92	141.32
PE8252	TNC MALE TO TNC FEMALE	18 GHz	INNER	1.45	1.5 dB	950	199.10	185.16	171.23	159.28
PE8220	TNC MALE TO TNC FEMALE	18 GHz	OUTER	1.35	.75 dB	200	211.25	196.46	181.68	169.00
PE8221	TNC MALE TO TNC FEMALE	18 GHz	INNER & OUTER	1.35	.75 dB	200	272.25	253.19	234.14	217.80
PE8222	2.92mm MALE TO 2.92mm FEMALE**	26.5 GHz	INNER	1.35	.75 dB	200	210.50	195.77	181.03	168.40
PE8223	2.92mm MALE TO 2.92mm FEMALE**	26.5 GHz	OUTER	1.35	.5 dB	200	228.25	212.27	196.30	182.60
PE8224	2.92mm MALE TO 2.92mm FEMALE**	26.5 GHz	INNER & OUTER	1.35	.5 dB	200	316.45	294.30	272.15	253.16
PE8225	2.92mm MALE TO 2.92mm FEMALE**	40 GHz	INNER	1.45	.5 dB	200	571.25	531.26	491.28	457.00
PE8226	2.92mm MALE TO 2.92mm FEMALE**	40 GHz	OUTER	1.45	.5 dB	200	859.30	799.15	739.00	687.44
PE8227	2.92mm MALE TO 2.92mm FEMALE**	40 GHz	INNER & OUTER	1.45	.5 dB	200	941.25	875.36	809.48	753.00
PE8231	75 Ω BNC MALE TO 75 Ω BNC FEMALE	4 GHz*	INNER	1.35	.5 dB	200	203.60	189.35	175.10	162.88
PE8232	75 Ω BNC MALE TO 75 Ω BNC FEMALE	4 GHz*	OUTER	1.35	.5 dB	200	168.20	156.43	144.65	134.56
PE8233	75 Ω BNC MALE TO 75 Ω BNC FEMALE	4 GHz*	INNER & OUTER	1.35	.5 dB	200	269.55	250.68	231.81	215.64
PE8234	75 Ω N MALE TO 75 Ω N FEMALE	4 GHz*	INNER	1.35	.5 dB	200	199.10	185.16	171.23	159.28
PE8235	75 Ω N MALE TO 75 Ω N FEMALE	4 GHz*	OUTER	1.35	.5 dB	200	214.05	199.07	184.08	171.24
PE8236	75 Ω N MALE TO 75 Ω N FEMALE	4 GHz*	INNER & OUTER	1.35	.5 dB	200	281.70	261.98	242.26	225.36
PE8237	2.4mm MALE TO 2.4mm FEMALE	50 GHz*	INNER	1.75	1.5 dB	75	1162.00	1080.66	999.32	929.60
PE8238	2.4mm MALE TO 2.4mm FEMALE	50 GHz*	OUTER	1.75	1.5 dB	75	1510.60	1404.86	1299.12	1208.48
PE8239	2.4mm MALE TO 2.4mm FEMALE	50 GHz*	INNER & OUTER	1.75	1.5 dB	75	1510.60	1404.86	1299.12	1208.48
PE8240	F MALE TO F FEMALE	2 GHz	INNER	1.35	.5 dB	200	77.95	72.49	67.04	62.36
PE8241	F MALE TO F FEMALE	2 GHz	OUTER	1.35	.5 dB	200	137.65	128.01	118.38	110.12
PE8242	F MALE TO F FEMALE	2 GHz	INNER & OUTER	1.35	.5 dB	200	162.40	151.03	139.66	129.92

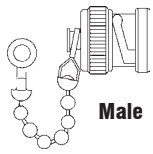
***FROM 100 MHz TO SPECIFIED FREQUENCY**
****2.92mm CONNECTORS WILL MATE WITH SMA, 3.5mm & K CONNECTORS. THE K CONNECTOR IS A REGISTERED TRADEMARK OF THE ANRITSU® COMPANY.**

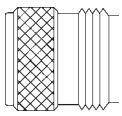
NEW BANDPASS FILTERS

TYPE: COMBLINE
SECTIONS: 4
MAX VSWR: 1.5
INPUT POWER: 5W CW MAX
IMPEDANCE: 50 Ω
OPERATING TEMP: -10°C TO +50°C
STORAGE TEMP: -30°C TO +70°C

MODEL NO.	BAND DESCRIPTION	BANDPASS FREQ (MHz)	Max INSERTION LOSS (dB)	50 dB REJECTION (±)	PRICE 1-24	25-49	50-99	100 +
PE8700	ISM & RFID	902 to 928	1.5	100 MHz	$371.45	$345.45	$319.45	$297.16
PE8701	ISM, WiFi, Bluetooth, ZigBee	2400 to 2500	1.0	400 MHz	371.45	345.45	319.45	297.16
PE8702	ISM, WiFi, 5725 to 5875 MHz	5725 to 5875	1.0	600 MHz	371.45	345.45	319.45	297.16
PE8703	GPS L1	1565 to 1585	1.5	100 MHz	371.45	345.45	319.45	297.16
PE8704	GPS L2	1217 to 1237	1.3	100 MHz	424.60	394.88	365.16	339.68
PE8705	GSM	824 to 849	1.5	100 MHz	371.45	345.45	319.45	297.16
PE8706	GSM	869 to 894	1.5	100 MHz	371.45	345.45	319.45	297.16
PE8707	PCS	1850 to 1910	1.5	250 MHz	371.45	345.45	319.45	297.16
PE8708	PCS	1930 to 1990	1.5	250 MHz	371.45	345.45	319.45	297.16
PE8709	UMTS	1920 to 1980	1.5	250 MHz	371.45	345.45	319.45	297.16
PE8710	UMTS/AWS	1710 to 1770	1.5	250 MHz	371.45	345.45	319.45	297.16
PE8711	UMTS/AWS	2110 to 2170	1.5	250 MHz	371.45	345.45	319.45	297.16
PE8712	WIMAX	2500 to 2700	1.0	900 MHz	371.45	345.45	319.45	297.16
PE8713	WIMAX	3300 to 3700	0.75	1900 MHz	371.45	345.45	319.45	297.16
PE8714	WIMAX	4900 to 5900	0.75	5000 MHz	371.45	345.45	319.45	297.16

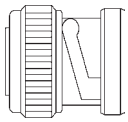
CAPS

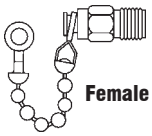




Model No.	Series	Gender	Chain	PRICE 1-24	25-49	50-99	100 +
PE6058	7/16	FEMALE	YES	$32.45	$30.18	$27.91	$25.96
PE6057	7/16	MALE	YES	31.95	29.71	27.48	25.56
PE6013	BNC	MALE	YES	5.75	5.35	4.95	4.60
PE6014	BNC	MALE	NO	3.45	3.21	2.97	2.76
PE6015	BNC	FEMALE	YES	4.85	4.51	4.17	3.88
PE6108	BNC	FEMALE	NO	5.75	5.35	4.95	4.60
PE6046	C	MALE	YES	15.25	14.18	13.12	12.20
PE6109	C	MALE	NO	14.50	13.49	12.47	11.60
PE6110	C	FEMALE	YES	19.40	18.04	16.68	15.52
PE6111	C	FEMALE	NO	18.50	17.21	15.91	14.80
PE6059	HN	MALE	YES	20.10	18.69	17.29	16.08
PE6113	HN	MALE	NO	14.50	13.49	12.47	11.60
PE6114	HN	FEMALE	YES	20.85	19.39	17.93	16.68
PE6115	HN	FEMALE	NO	19.70	18.32	16.94	15.76
PE6016	N/UHF	MALE	YES	5.10	4.74	4.39	4.08
PE6017	N/UHF	MALE	NO	5.40	5.02	4.64	4.32
PE6018	N	FEMALE	YES	7.50	6.98	6.45	6.00
PE6116	N	FEMALE	NO	6.20	5.77	5.33	4.96
PE6117	SC	MALE	YES	81.25	75.56	69.88	65.00
PE6118	SC	FEMALE	YES	69.75	64.87	59.99	55.80
PE6019	SMA	MALE	YES	8.05	7.49	6.92	6.44
PE6024	SMA	MALE	NO	7.05	6.56	6.06	5.64
PE6119	SMA	FEMALE	YES	16.15	15.02	13.89	12.92
PE6120	SMA	FEMALE	NO	16.15	15.02	13.89	12.92
PE6121	SMB	PLUG	YES	17.40	16.18	14.96	13.92
PE6122	SMB	JACK	YES	8.45	7.86	7.27	6.76
PE6123	SMC	PLUG	YES	11.55	10.74	9.93	9.24
PE6124	SMC	JACK	YES	11.55	10.74	9.93	9.24
PE6020	SSMA	MALE	NO	8.25	7.67	7.10	6.60
PE6125	75 Ω SMB	PLUG	YES	25.55	23.76	21.97	20.44
PE6126	75 Ω SMC	PLUG	YES	25.10	23.34	21.59	20.08
PE6021	TNC	FEMALE	YES	8.40	7.81	7.22	6.72
PE6143	TNC	FEMALE	NO	8.45	7.86	7.27	6.76
PE6023	TNC	MALE	YES	6.70	6.23	5.76	5.36
PE6144	TNC	MALE	NO	6.35	5.91	5.46	5.08

SHORTS

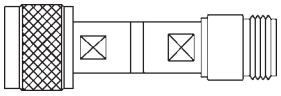




Model No.	Series	Gender	Chain	PRICE 1-24	25-49	50-99	100 +
PE6012	BNC	MALE	NO	$7.35	$6.84	$6.32	$5.88
PE6127	BNC	MALE	YES	13.30	12.37	11.44	10.64
PE6030	BNC	FEMALE	NO	10.25	9.53	8.82	8.20
PE6128	BNC	FEMALE	YES	14.30	13.30	12.30	11.44
PE6022	N	MALE	NO	14.85	13.81	12.77	11.88
PE6129	N	MALE	YES	17.65	16.41	15.18	14.12
PE6031	N	FEMALE	NO	15.95	14.83	13.72	12.76
PE6130	N	FEMALE	YES	19.70	18.32	16.94	15.76
PE6006	SMA	MALE	NO	15.60	14.51	13.42	12.48
PE6131	SMA	MALE	YES	18.25	16.97	15.70	14.60
PE6007	SMA	FEMALE	NO	16.95	15.76	14.58	13.56
PE6132	SMA	FEMALE	YES	18.50	17.21	15.91	14.80
PE6133	TNC	MALE	NO	14.85	13.81	12.77	11.88
PE6134	TNC	MALE	YES	18.50	17.21	15.91	14.80
PE6135	TNC	FEMALE	NO	14.85	13.81	12.77	11.88
PE6136	TNC	FEMALE	YES	18.50	17.21	15.91	14.80

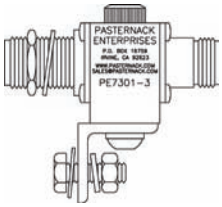
N FUSE HOLDERS

IMPEDANCE: 50 Ω
FREQUENCY RANGE: DC TO 1,000 MHz
VSWR: 1.50:1, MAXIMUM
FUSE LEVEL: 1/16 AMP = +23 dBM
1/8 AMP = +29 dBM
1/4 AMP = +35 dBM



Model No.	FUSE ELEMENT	PRICE 1-24	25-49	50-99	100 +
PE7300-1	1/16 AMP	$80.60	$74.96	$69.32	$64.48
PE7300-2	1/8 AMP	80.60	74.96	69.32	64.48
PE7300-3	1/4 AMP	80.60	74.96	69.32	64.48

COAX SURGE PROTECTOR

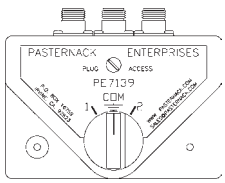


SPECIFICATIONS
DC BLOCKING: NONE. WILL PASS DC FOR POWER AND CONTROL PURPOSES.
MAX DC OR PEAK AC IS 150 V
FIRING POINT: 350 V ±15%@< 100V/S > 1000 @ 5kv/ µs RISE
BREAKDOWN VOLTAGE: 20 TO 30V
SURGE CURRENT: 5000 A (8/20 µs PULSE)
PLUG LIFE: >600 TIMES @ 500A PULSE (FIELD REPLACEABLE)

Model No.	POWER HANDLING WATTS	CONNECTOR TYPE	FREQUENCY RANGE	INSERTION LOSS	IMPEDANCE	PRICE 1-24	25-49	50-99	100 +
PE7301-1	200	N FEMALE	DC - 3 GHz	.5 dB	50 Ω	$99.80	$92.81	$85.83	$79.84
PE7301-2	2000	N FEMALE	DC - 3 GHz	.5 dB	50 Ω	110.85	103.09	95.33	88.68
PE7301-3	200	N FEMALE BULKHEAD	DC - 3 GHz	.5 dB	50 Ω	132.75	123.46	114.17	106.20
PE7301-4	2000	N FEMALE BULKHEAD	DC - 3 GHz	.5 dB	50 Ω	132.75	123.46	114.17	106.20
REPLACEMENT CARTRIDGE		CARTRIDGE FOR							
PE7301-200CART	200	PE7301-1/PE7301-3				17.45	16.23	15.01	13.96
PE7301-2000CART	2000	PE7301-2/PE7301-4				17.45	16.23	15.01	13.96

MANUAL COAX SWITCH WITH SURGE PROTECTOR

IMPEDANCE: 50 Ω
SWITCHING FUNCTIONS: WHEN THE KNOB POINTS TO THE CENTER GROUND POSITION, ALL ANTENNA CIRCUITS ARE INTERNALLY DISCONNECTED AND GROUNDED. WHEN THE KNOB IS IN AN ACTIVE POSITION THE UNUSED ANTENNA PORTS ARE GROUNDED. THE ACTIVE POSITION CIRCUIT IS CONTINUOUSLY PROTECTED BY THE REPLACEABLE CARTRIDGE.



MODEL NO	CONNECTOR TYPE	FREQUENCY RANGE (DC-GHz)	NO. OF OUTPUT PORTS	VSWR MAX.	INSERTION LOSS MAX	ISOLATION MIN.	POWER HANDLING WATTS RF	PRICE 1-24	25-49	50-99	100 +
PE7139	N FEMALE	1.3	2	1.6:1	.75 dB	50 dB	1500	$159.95	$148.75	$137.56	$127.96
PE7140	N FEMALE	1	4	1.6:1	.60 dB	50 dB	1500	185.90	172.89	159.87	148.72
REPLACEMENT CARTRIDGE		CARTRIDGE FOR									
PE7139-CART		PE7139/PE7140						22.30	20.74	19.18	17.84

MAILING LIST CHANGES

If you receive more than one catalog with the same name and address, please notify Pasternack and pass the catalog along to a friend. Also, if you do not require multiple copies to the same company address, contact a sales representative to verify and modify your mailing information. A forms-based communications method to add, delete or modify mailing information is available at www.pasternack.com. By clicking "Contact Us", and then clicking "Remove Name from Mailing List", you may complete the form to request a change to your mailing preferences. In addition, by clicking "Catalog", and then clicking "Request a Printed Catalog", you may add your contact information to our mailing list. Please note service opt-in and opt-out options located on the forms. Alternatively, you may mail, email, telephone or fax Pasternack your request.

PLACING YOUR ORDER

► By Telephone: 866-PASTERNACK (866-727-8376) US & Canada, or 949-261-1920

Our friendly sales representatives are ready to serve you from 5:00am to 5:30pm Pacific Standard Time (PST), Monday through Friday. For the most efficient service, please have ready a list of quantities and part numbers and, if paying by credit card, your MasterCard, VISA, American Express or Discover card. Note: Calls may be recorded or monitored for quality and training purposes.

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Our fax lines can be accessed 7 days a week, 24 hours a day. Orders received after 4:00pm PST will be promptly processed and shipped the next business day. Please include your daytime phone number and/or email address in case we have any questions about your order.

► By Internet: www.Pasternack.com or Email: sales@pasternack.com

Order online 7 days a week, 24 hours a day using our online ordering system. Just search for the items you want and add them to your shopping cart. Internet orders entered after 4:00 pm PST will be promptly processed and shipped the next business day.

► By Mail: Simply Mail Your Order To:
Pasternack Enterprises, Inc.
17802 Fitch
PO Box 16759
Irvine, CA 92623-6759 USA

International customers, please see "International Orders" below for additional information.

Terms and Conditions of Sale:
The following from Pasternack's Binding Terms and Conditions of Sale are provided for your convenience. A complete documentation of the Binding Terms and Conditions of Sale may be found in the back of the catalog, or on Pasternack's website at http://www.pasternack.com/TermsofSale.aspx. Any questions or clarifications may be answered by contacting Customer Service at (+1) 949-261-1920 or by any of the methods listed above.

Minimum Order:
A minimum order of $50.00 is required. There is no minimum line item required.

Handling Charge:
A $10.00 handling charge applies to all orders less than $100.00. This fee will be waived on orders of $100.00 or more.

Ground Freight is Free:
On UPS Ground orders, there is no charge for shipping for USA & Canada orders of $100.00 or greater. Otherwise, shipping or freight charges and insurance will be paid by the customer. All sales are made FOB Point (as defined by the INCOTERMS 2000) in Irvine, CA USA. Shipping or freight charges from Pasternack's Irvine, CA factory are prepaid and added to the invoice or billed collect.

Same-Day Shipment:
Same-day shipment will apply to orders received Monday through Friday, prior to 4:00pm PST.
- All UPS air and surface options
- All FedEx air options (with an approved account number)
- Most other shipping options, including DHL (with an approved account number) and USPS

Counter-to-Counter Shipping:
For your urgent order requiring our fastest shipping method, we will place your order on the next available flight from Santa Ana-Orange County John Wayne International Airport (Airport code: SNA) to the destination you specify. Please call for details.

Payment Terms:
Pasternack offers a number of convenient payment methods:

For United States customers, we offer check, money order, MasterCard, VISA, American Express, Discover, and C.O.D. as well as open account credit to qualified institutions and businesses. Payment must be made in US Dollars.

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For International customers, see International Orders.

Open Account Credit:
Net 30 Days terms are available to businesses, schools and agencies subject to credit approval. Approval can begin by submitting a completed Credit Application, which can be found in the back of the catalog or online at: www.Pasternack.com/CreditApplication.aspx

EFT/Wire Transfers:
Please contact us for details. We will inform you of the total amount which will include shipping charges and any applicable wire transfer fees. Orders will not be accepted until funds have been received in full.

U.S. BANK
535 Westminster Mall 1st Floor
Westminster, CA 92683 USA
Account Number: 165717456033
Routing Number: 122235821
SWIFT Number: USBKUS44IMT

International Orders:
In addition to the United States and its territories, Pasternack accepts international orders. All orders of international origin are exported from the US in accordance with the Export Administration Regulations. Diversion contrary to US Law is prohibited. Please see Pasternack's Binding Terms and Conditions of Sale for full details.

Pasternack has international distributors for the following countries:
Asia: Australia, China PRC, Indonesia, Japan, Korea, Malaysia, New Zealand, Singapore, Taiwan, Thailand
Europe: Czech Republic, Denmark, Finland, France, Germany, Ireland, Italy Norway, Slovakia, Sweden, Switzerland, Turkey, United Kingdom
Middle East: Israel

To access their complete contact information, please see our International Distributors section in this catalog.

International Shipping Charges:
Shipping or freight charges and insurance will be paid by the customer. All sales are made FOB Point (as defined by the INCOTERMS 2000) in Irvine, CA USA. We ship orders by UPS, FedEX (with an approved account number), or DHL (with approved account number) with delivery in 2 to 3 days to most locations worldwide.

International Taxes and Duties:
Customer is responsible for duties and taxes.

PASTERNACK ENTERPRISES RoHS COMPLIANCE PROGRAM

Lead-free solder is now available for all cable assemblies upon request or online at www.Pasternack.com.

What is RoHS Compliance?

The European Union set forth the RoHS (Restriction of Hazardous Substances) Directive to establish environmental guidelines and legislation to reduce the presence of six (6) materials deemed hazardous to the environment. To comply, products entering the EU must not have a homogeneous presence of these materials above the following levels by weight percentage:

- Lead (Pb) < 0.1%
- Mercury (Hg) < 0.1%
- Cadmium (Cd) < 0.01%
- Hexavalent Chromium (CrVI) < 0.1%
- Polybrominated Biphenyls (PBB) < 0.1%
- Polybrominated Diphenyl Esters (PBDE) < 0.1%

At Pasternack, we recognize our responsibility as a supplier of coax connectors, cable assemblies, and components used within electronic-based systems and products that are targeted for RoHS compliance. We are fully committed to offering RoHS compliance on the majority of our products. We have completed a comprehensive evaluation and analysis program both internally and with our suppliers to establish and publish RoHS compliant statements for our products on our website.

Determining Pasternack RoHS Compliance

To determine if the product in our catalog is RoHS Compliant, please first refer to our website at www.Pasternack.com. For each part, we show an indicator of compliance using this symbol:

RoHS
2002/95/EC

All products displaying this symbol on our website have been certified as RoHS Compliant. Click on this symbol to view the Certificate of RoHS Compliance for this product.

We recognize that you may have specific questions regarding RoHS certification on Pasternack's components and products. We will be happy to process all such requests as quickly as possible. Please direct any such requests to Pasternack Enterprises Technical Support via email at TechSupport@Pasternack.com or by calling Toll-Free within North America at 1-866-PASTERNACK (866-727-8376). International customers, please use +1-949-261-1920.

Methods Determining RoHS Compliance

RoHS Compliance is determined by a combination of supplier certification and engineering design verification. In most cases, Pasternack's products were determined to be RoHS Compliant. In many cases, the Compliance was through a stated Exemption to the RoHS Directive. As a supplier of coaxial connectors, adapters, and RF components, Pasternack uses materials such as Brass and Stainless Steel which contain lead as a percentage of weight above the 0.1% threshold, but are allowed through the Exemptions as of the October 21st, 2005 RoHS Directive amendment. Pasternack uses these Exemptions to the RoHS Directive where applicable.

What are the Exemptions?

RoHS Directive text as of the Oct 21st, 2005 amendment is underlined, and how it applies to Pasternack products is indicated below each Exemption.

ANNEX to ROHS DIRECTIVE 2002/95/EC

"Applications of lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE) which are exempted from the requirements of Article 4(1)":

5. Lead in glass of cathode ray tubes, electronic components and fluorescent tubes.

   Some Pasternack products use resistive and/or dielectric inks that contain lead in a glass phase and fall under this exemption 5.

6. Lead as an alloying element in steel containing up to 0.35% lead by weight, aluminum containing up to 0.4% lead by weight and as a copper alloy containing up to 4% lead by weight.

   Most Pasternack products use metal alloys that contain lead below the maximum concentration values specified under this exemption 6. Specifically: aluminum alloys, brass, stainless steel, beryllium copper and phosphor bronze.

7. Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signaling, transmission as well as network management for telecommunications.

   All Pasternack coaxial cable assemblies are made using solder containing lead (unless lead-free solder is specified), and may be used in network infrastructure equipment and therefore would fall under this exemption 7. This exemption is application specific, however, and we therefore leave it up to our customer to determine whether this exemption applies to their application.

   Pasternack has loaded new part numbers for cable assemblies using lead-free solder on our website, using the format PE3xxxxLF-yy, where "xxxx" identifies the part using the existing corresponding item number, and "yy" identifies the length in inches. For example, PE3067LF-24 is the same as PE3067-24 (BNC Male to BNC Male, RG58C/U), except it uses lead-free solder to be fully ROHS Compliant.

This form is also available online at www.pasternack.com/CreditApplication.aspx

PASTERNACK ENTERPRISES®

PASTERNACK ENTERPRISES, INC.

POST OFFICE BOX 16759 IRVINE, CA 92623-6759 U.S.A.
TELEPHONE: (949) 261-1920 FAX: (949) 261-7451

CREDIT APPLICATION

APPLICATION **MUST BE COMPLETELY** FILLED OUT AND SIGNED BY AN OWNER, PARTNER OR CORPORATE OFFICER TO BE CONSIDERED FOR CREDIT!

COMPANY NAME: _____ WEBSITE: _____ DUNS # _____
ADDRESS: _____ PHONE: _____
CITY: _____ STATE: _____ ZIP CODE: _____ FAX: _____

TYPE OF BUSINESS: __ Corporation __LLC __LLP __Partnership __Sole Proprietorship DATE OF INCORPORATION / ORGANIZATION: _____ AND STATE: ___
CREDIT LIMIT REQUESTED: _____ GROSS SALES FOR LAST 12 MONTHS: _____ NUMBER OF EMPLOYEES: _____
BRIEF DESCRIPTION OF BUSINESS: _____

OWNER, PARTNER OR CORPORATE OFFICERS:
PRESIDENT / OWNER: _____ TITLE: _____ E-MAIL : _____
VP FINANCE / CFO: _____ TITLE: _____ E-MAIL : _____

BANK REFERENCE:
NAME: _____ BRANCH: _____ ACCOUNT NUMBER: _____
ADDRESS: _____ CITY: _____ STATE: _____ ZIP CODE: _____
OFFICER TO CONTACT: _____ PHONE: _____ E-MAIL: _____

TRADE REFERENCES FROM THE USA PREFERRED. PLEASE GIVE ZIP CODES AND LIST ACCOUNT AND FAX NUMBERS:

NAME: _____ PHONE: _____
ADDRESS: _____ FAX: _____
CITY: _____ STATE: _____ ZIP: _____ ACCT. # _____
CONTACT NAME: _____ EMAIL : _____

NAME: _____ PHONE _____
ADDRESS: _____ FAX _____
CITY: _____ STATE: _____ ZIP: _____ ACCT. # _____
CONTACT NAME: _____ EMAIL : _____

NAME: _____ PHONE _____
ADDRESS: _____ FAX _____
CITY: _____ STATE: _____ ZIP: _____ ACCT. # _____
CONTACT NAME: _____ EMAIL : _____

IN CONSIDERATION OF PASTERNACK ENTERPRISES, INC. GRANTING CREDIT, WE AGREE TO THE FOLLOWING:

1) WE WILL PAY ALL INVOICES IN ACCORDANCE WITH PASTERNACK ENTERPRISES, INC.'S. STANDARD TERMS AND CONDITIONS IN EFFECT. WE SPECIALLY AGREE TO PAY INTEREST AT THE GREATER OF 1.5% PER MONTH OR THE MAXIMUM RATE ALLOWED BY LAW ON ALL UNPAID INVOICES AFTER THIRTY (30) DAYS FROM THE INVOICE DATE.
2) WE DO ACCEPT PASTERNACK ENTERPRISES, INC.'S STANDARD TERMS AND CONDITIONS OF SALE, REGARDLESS OF ANY TERMS AND CONDITIONS SHOWN ON OUR PURCHASE ORDERS.
3) SHOULD THIS ACCOUNT EVER BECOME DELINQUENT AND IT BE NECESSARY TO EMPLOY AN ATTORNEY TO COLLECT OR COMMENCE SUIT TO ENFORCE PAYMENT, WE AGREE TO PAY A REASONABLE ADDITIONAL SUM AS ATTORNEY'S FEES AND TO PAY COSTS OF SUCH SUIT.
4) IT IS EXPRESSLY AGREED THAT ALL OBLIGATIONS OF THE PARTIES CREATED HEREIN ARE TO BE PERFORMED IN IRVINE (ORANGE COUNTY), CALIFORNIA, U.S.A. AND THAT THE COURTS OF ORANGE COUNTY, CALIFORNIA HAVE JURISDICTION OVER ANY ACTION TO ENFORCE COLLECTION OF THIS ACCOUNT.

OWNER, PARTNER OR CORPORATE OFFICER'S NAME _____ TITLE _____

SIGNATURE _____ DATE _____

BINDING TERMS AND CONDITIONS OF SALE

The following are the terms and conditions ("Terms and Conditions") for the sale of products ("Products") by Pasternack Enterprises, Inc. ("Pasternack") to Pasternack's customers ("Customers"). Please read this agreement carefully. Any different or additional terms set forth in customer's purchase order or similar communication are objected to and shall not be binding on the company unless a separate agreement has been signed by an authorized officer of the company. By placing an order for products from the company, or by accepting delivery of the products described on the applicable packing slip, bill of lading and/or invoice received with the products, you agree to be bound by and accept these terms and conditions of sale.

1. ACCEPTANCE AND CANCELLATION OF ORDERS

All orders are subject to acceptance by Pasternack in writing by a duly authorized agent of Pasternack; any written acknowledgement of receipt of an order shall not, in and of itself, constitute such acceptance. Orders accepted and processed by Pasternack may not be cancelled by Customer except as covered by the Limited Warranty, all sales are final. Cable Assemblies and Non-Standard Products are also Non-Cancelable/Non-Refundable ("NC/NR"). Non-Standard Parts are defined as Products which are special orders, custom orders, orders for non-standard products, products not customarily in stock or orders for value-added products. In the event of cancellation or other withdrawal of an order for any reason and without limiting any other remedy which Pasternack may have as a result of such cancellation or other withdrawal, reasonable cancellation or restocking charges, which shall include all expenses then incurred and commitments made by Pasternack, shall be paid by Customer to Pasternack. Customer requests to reschedule are subject to acceptance by Pasternack in its sole discretion. Orders may not be rescheduled after the order has been submitted by Pasternack to the shipment carrier.

2. PRICES

Orders are billed at the prices (in US dollars) in effect at the time of shipment. Prices will be as specified by Pasternack and will be applicable for the period specified in Pasternack's quote. If no period is specified, quoted prices will be applicable for thirty (30) days. The catalog reflects the latest pricing information available at the time of printing. Prices shown in the catalog are subject to change without notice. Prices are subject to change in the event of a change in Pasternack's costs or other circumstances beyond Pasternack's reasonable control. Prices are exclusive of taxes, impositions and other charges, including: sales, use, excise, value added and similar taxes or charges imposed by any government authority, international shipping charges, forwarding agent's and broker's fees, bank fees, consular fees, document fees and import duties.

3. TERMS OF PAYMENT

All payments must be in US Dollars, or will be converted to US Dollars using the available exchange rate at the time of purchase.

Credit cards accepted are MasterCard, VISA, Discover, and American Express credit cards, purchase cards and major bank debit cards. Payment via net thirty (30) days is available to businesses, schools and agencies or as otherwise specified by Pasternack subject to approved credit.

For International Orders

Credit cards accepted are MasterCard, VISA, and American Express. Payment via open credit account with Net thirty (30) days can be established for companies having three U.S. references. Prepaid Wire Transfer: You can wire the funds to our bank. We will contact you with the total amount which will include shipping charges and a $40 wire transfer fee. Orders will not be accepted until funds have been received in full and Purchase Order (PO) has been received. Customer is responsible for duties and taxes.

4. SALES TAX

Only California residents need to remit sales tax. Pasternack does not remit sales tax to states other than California . Any sales tax due that is not collected by Pasternack is the responsibility of the customer.

5. TOLERANCES

All coaxial cable assemblies displayed in the Pasternack catalog and website have a standard cable length tolerance of ± 1.5% or ⅜ inches (0.375"), whichever is greater. Cable Assemblies in excess of this tolerance factor are eligible for repair and / or replacement under the terms of the Pasternack Limited Warranty.

6. DELIVERY AND TITLE

Shipping or freight charges and insurance will be paid by the customer. All sales are made FCA Shipping Point (as defined by the INCOTERMS 2000) in Irvine, CA USA. Shipping or freight charges from Pasternack's Irvine, CA facility are prepaid and added to the invoice, or billed collect. Subject to Pasternack's right of stoppage in transit, delivery of the Products to the carrier will constitute delivery to Customer and title and risk of loss will pass to Customer. Pasternack will make reasonable efforts to initiate shipment and schedule delivery as close as possible to Customer's requested delivery date(s). Customer acknowledges that delivery dates provided by Pasternack are estimates only and that Pasternack will not be liable for failure to deliver on such dates. Selection of the carrier and delivery route will be made by Pasternack unless specifically designated by Customer. Pasternack reserves the right to make deliveries in installments. Delay in delivery of one installment will not entitle Customer to cancel any other installment(s). Delivery of any installment of Products within thirty (30) days after the date requested will constitute a timely delivery. Delivery of a quantity which varies from the quantity specified shall not relieve Customer of the obligation to accept delivery and pay for the Products delivered.

7. PASTERNACK'S LIMITED WARRANTY

All products are covered by a LIMITED WARRANTY for a period of ninety (90) days from the date of shipment when purchased from Pasternack Enterprises, Inc. Customer must notify Pasternack within 90 days from date of shipment of any defective product. An approved Return Materials Authorization (RMA) number must first be obtained from Pasternack prior to the return of any merchandise to Pasternack for inspection under warranty. Shipping charges for all materials returned under this Limited Warranty are to be prepaid by the Customer. This warranty is limited to the original purchaser. Pasternack's liability arising out of any sale of products to Customer is expressly limited to either (1) Credit for the purchase price paid by Customer for such products (without interest), or (2) Repair and/or replacement of such products, found to be defective after inspection by Pasternack, and such remedies shall be exclusive and in lieu of all others. This warranty is in lieu of any and all other warranties, whether oral, written, expressed, implied or statutory. Further, no warranty will apply if the Product has been subject to misuse, neglect, accident or modification, or has been soldered or altered in any way.

All returns must be shipped to: Pasternack Enterprises, Inc.
17802 Fitch
Irvine, CA 92614 USA

8. LIMITATION OF LIABILITIES

In no event shall Pasternack be liable for any special, incidental or consequential damages of any nature including, but not limited to, damages resulting from loss of profit or revenue, recall costs, claims for service interruptions or failure to supply downtime, testing, installations or removal costs, costs of substitute products, property damage, personal injury, death or legal expenses. Customer's recovery from Pasternack for any claim shall not exceed the purchase price paid by Customer for the goods, irrespective of the nature of the claim, whether in warrant, contract or otherwise. CUSTOMER SHALL INDEMNIFY, DEFEND AND HOLD PASTERNACK HARMLESS FROM ANY CLAIMS brought by any party regarding products supplied by Pasternack and incorporated into the customer's product.

9. STATEMENTS AND ADVICE

If statements or advice, technical or otherwise, are offered or given to Customer, such statements or advice will be deemed to be given as an accommodation to Customer and without charge and Pasternack shall have no responsibility or liability for the content or use of such statements or advice.

10. EXPORT CONTROL

Products purchased or received under these Terms and Conditions are subject to export control laws, restrictions, regulations and orders of the United States. Customer agrees to comply with all applicable export laws, restrictions and regulations of the United States or foreign agencies or authorities, and shall not export, or transfer for the purpose of re-export, any product to any prohibited or embargoed country, including but not limited to The Balkans, Belarus, Burma, Cote d'Ivoire, Cuba, the Democratic Republic of the Congo, Iran, Iraq, North Korea, Sudan, Syria, and Zimbabwe, or to any denied, blocked, or designated person or entity as mentioned in any such United States or foreign law or regulation. Customer represents and warrants that it is not on the Denied Persons, Specially Designated Nationals or Debarred Persons List (as identified by the U.S. Treasury Office of Foreign Asset Control (OFAC) and by the U.S. Department of Commerce, Bureau of Industry and Security (BIS)), or any other United States or other government list of prohibited persons; and otherwise prohibited by United States or other law from purchasing the products or services hereunder. Customer shall be solely responsible to obtain any license to export, re-export or import as may be required.

11. GENERAL

The Terms and Conditions may not be modified or cancelled without Pasternack's written agreement. Accordingly goods furnished and services rendered by Pasternack are sold only on the terms and conditions stated herein. The Terms and Conditions will be governed by and construed in accordance with the laws of the State of California and the applicable laws of the United States of America. If Customer chooses to access the Pasternack Web Site from outside the United States, Customer does so on their own initiative and is responsible for compliance with all applicable local laws.

12. INTELLECTUAL PROPERTY

The drawings, text, product depictions, logos, content, product descriptions, and organization and taxonomy of this catalog and of the described content within this catalog are proprietary to Pasternack and protected by intellectual property laws, including but not limited to United States Copyright law and United States Trademark law. Pasternack owns copyrights in these referenced works as well as the selection, arrangement, coordination and structure of the arranged content and works within this catalog. Use of this catalog does not give you any right to modify, reproduce, transmit, publish, publicly display, adapt, or create derivative works or in any way exploit any of the materials and content of this catalog.

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