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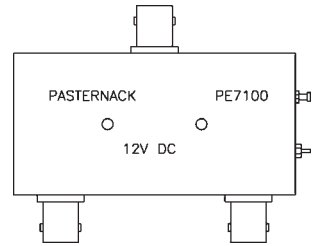
PE PASTERNAK®

 www.pasternack.com

 866-727-8376

A / B COAXIAL SWITCHES

FREQUENCY RANGE: DC-1,000 MHz
 POWER HANDLING CAPACITY: 5 WATTS CW, COMMON TO SWITCHED PORTS
 (SWITCHED PORTS TERMINATED)
 $\frac{1}{2}$ WATT SWITCHED PORTS TO COMMON
 SWITCHING TIME: 15 MILLISECONDS
 OPERATING TEMPERATURE RANGE: 20°C TO +60°C
 OPERATING VOLTAGE (ACTUATED TO "B" POSITION): +12 VDC AT 45mA, MAXIMUM



MODEL NO.	CONNECTOR TYPE	IMPEDANCE	VSWR MAX.	INSERTION LOSS MAX.	ISOLATION MIN.	PRICE			
						1-24	25-49	50-99	100 +
PE7100	BNC FEMALE	50	1.35	70 dB	50 dB	\$277.30	\$257.89	\$238.48	\$221.84
PE7101	75 Ω BNC FEMALE	75	1.60	70 dB	50 dB	450.60	419.06	387.52	360.48
PE7102	N FEMALE	50	1.60	70 dB	50 dB	290.45	270.12	249.79	232.36
PE7103	75 Ω N FEMALE	75	1.60	70 dB	50 dB	277.30	257.89	238.48	221.84

COAXIAL SWITCHES

SPECIFICATIONS

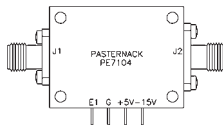
ALL CONNECTORS ARE SMA FEMALE

OPERATING TEMPERATURE: - 55° C TO +85° C

SPST

TTL LOGIC 0: LOW LOSS
 TTL LOGIC 1: ISOLATION

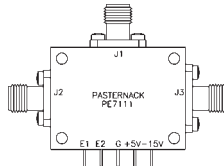
DC BIAS MAXIMUM
 +5V ± 0.5V @ 50mA
 -15V ± 3V @ 50mA



SPDT

TTL LOGIC 0: LOW LOSS
 TTL LOGIC 1: ISOLATION
 E1 CONTROLS: J2-J1
 E2 CONTROLS: J3-J1

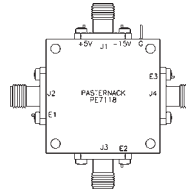
DC BIAS MAXIMUM
 +5V ± 0.5V @ 80mA
 -15V ± 3V @ 50mA



SP3T

TTL LOGIC 0: LOW LOSS
 TTL LOGIC 1: ISOLATION
 E1 CONTROLS: J2-J1
 E2 CONTROLS: J3-J1
 E3 CONTROLS: J4-J1

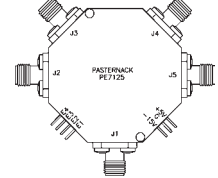
DC BIAS MAXIMUM
 +5V ± 0.5V @ 120mA
 -15V ± 3V @ 50mA



SP4T

TTL LOGIC 0: LOW LOSS
 TTL LOGIC 1: ISOLATION
 E1 CONTROLS: J2-J1
 E2 CONTROLS: J3-J1
 E3 CONTROLS: J4-J1
 E4 CONTROLS: J5-J1

DC BIAS MAXIMUM
 +5V ± 0.5V @ 160mA
 -15V ± 3V @ 50mA



MODEL NO.	FREQUENCY RANGE	SWITCH TYPE	INSERTION LOSS (dB MAX.)	VSWR (MAX.)	ISOLATION (dB MIN.)	SWITCHING SPEED (nsec MAX.)	POWER WATTS (MAX.)	PRICE			
								1-24	25-49	50-99	100 +
PE7104	10 MHz - 1 GHz	SPST	1.3	1.5:1	80	250	1.0	\$1830.40	\$1702.27	\$1574.14	\$1464.32
PE7105	1 GHz - 2 GHz	SPST	0.9	1.5:1	85	100	1.0	1404.90	1306.56	1208.21	1123.92
PE7106	1 GHz - 18 GHz	SPST	3.0	2.0:1	65	100	0.5	1772.85	1648.75	1524.65	1418.28
PE7107	2 GHz - 4 GHz	SPST	1.1	1.6:1	75	100	1.0	1341.15	1247.27	1153.39	1072.92
PE7108	4 GHz - 8 GHz	SPST	1.8	1.6:1	75	100	1.0	1447.65	1346.31	1244.98	1158.12
PE7109	8 GHz - 12 GHz	SPST	2.2	1.8:1	70	100	1.0	1341.15	1247.27	1153.39	1072.92
PE7110	12 GHz - 18 GHz	SPST	2.8	2.0:1	65	100	0.5	1404.90	1306.56	1208.21	1123.92
PE7111	10 MHz - 1 GHz	SPDT	1.3	1.5:1	80	250	1.0	1633.40	1519.06	1404.72	1306.72
PE7112	1 GHz - 2 GHz	SPDT	1.0	1.5:1	85	100	1.0	1661.10	1544.82	1428.55	1328.88
PE7113	1 GHz - 18 GHz	SPDT	3.1	2.0:1	65	100	0.5	2034.95	1892.50	1750.06	1627.96
PE7114	2 GHz - 4 GHz	SPDT	1.2	1.6:1	75	100	1.0	1707.55	1588.02	1468.49	1366.04
PE7115	4 GHz - 8 GHz	SPDT	1.9	1.6:1	75	100	1.0	1707.55	1588.02	1468.49	1366.04
PE7116	8 GHz - 12 GHz	SPDT	2.2	1.8:1	70	100	1.0	2285.15	2125.19	1965.23	1828.12
PE7117	12 GHz - 18 GHz	SPDT	3.0	2.0:1	65	100	0.5	1585.85	1474.84	1363.83	1268.68
PE7118	10 MHz - 1 GHz	SP3T	1.4	1.5:1	80	250	1.0	1585.85	1474.84	1363.83	1268.68
PE7119	1 GHz - 2 GHz	SP3T	1.1	1.5:1	85	100	1.0	1661.10	1544.82	1428.55	1328.88
PE7120	1 GHz - 18 GHz	SP3T	3.3	2.0:1	65	100	0.5	2075.00	1929.75	1784.50	1660.00
PE7121	2 GHz - 4 GHz	SP3T	1.4	1.6:1	75	100	1.0	1879.30	1747.75	1616.20	1503.44
PE7122	4 GHz - 8 GHz	SP3T	2.0	1.6:1	75	100	1.0	1707.55	1588.02	1468.49	1366.04
PE7123	8 GHz - 12 GHz	SP3T	2.4	1.8:1	70	100	0.5	1788.65	1663.44	1538.24	1430.92
PE7124	12 GHz - 18 GHz	SP3T	3.2	2.0:1	65	100	0.5	1794.05	1668.47	1542.88	1435.24
PE7125	10 MHz - 1 GHz	SP4T	1.5	1.5:1	80	250	1.0	2173.55	2021.40	1869.25	1738.84
PE7126	1 GHz - 2 GHz	SP4T	1.2	1.5:1	85	100	1.0	1952.15	1815.50	1678.85	1561.72
PE7127	1 GHz - 18 GHz	SP4T	3.5	2.0:1	65	100	0.5	2197.85	2044.00	1890.15	1758.28
PE7128	2 GHz - 4 GHz	SP4T	1.4	1.6:1	75	100	1.0	1952.15	1815.50	1678.85	1561.72
PE7129	4 GHz - 8 GHz	SP4T	2.2	1.6:1	75	100	1.0	2197.85	2044.00	1890.15	1758.28
PE7130	8 GHz - 12 GHz	SP4T	2.6	1.8:1	70	100	0.5	2137.25	1987.64	1838.04	1709.80
PE7131	12 GHz - 18 GHz	SP4T	3.4	2.0:1	65	100	0.5	1952.15	1815.50	1678.85	1561.72

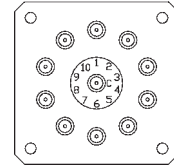
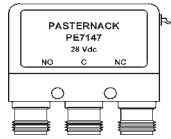
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Attenuators / RF Components

FEATURES

- F = FAILSAFE
- H = HOT SWITCHES
- I = INDICATORS
- L = LATCHING
- N = NORMALLY OPEN
- P = PULSE LATCHING
- S = SELF CUT OFF
- T = TERMINATED
- TTL = TTL LOGIC

RELAY SWITCHES



MODEL NO.	SWITCH TYPE	CONN. TYPE	FREQ. RANGE (DC)	FEATURES	VOLTAGE RANGE (Vdc)	AVG POWER WATTS (MAX.)	ACTUATING CURRENT (mA)	VSWR (MAX.)	INSERTION LOSS (dB MAX.)	ISOLATION (dB MIN.)	P R I C E			
											1-24	25-49	50-99	100 +
PE7141	SPDT	SMA	18 GHz	F	24-32	35	114	1.50:1	0.50	60	\$304.80	\$283.46	\$262.13	\$243.84
PE7142	SPDT	SMA	18 GHz	F	10-14	35	263	1.50:1	0.50	60	324.30	301.60	278.90	259.44
PE7143	SPDT	SMA	18 GHz	I, L, S	24-32	35	128	1.50:1	0.50	60	784.25	729.35	674.46	627.40
PE7144	SPDT	SMA	18 GHz	I, L, S	10-14	35	300	1.50:1	0.50	60	411.60	382.79	353.98	329.28
PE7145	SPDT	SMA	18 GHz	I, P	24-32	35	128	1.50:1	0.50	60	348.60	324.20	299.80	278.88
PE7146	SPDT	SMA	18 GHz	I, P	10-14	35	300	1.50:1	0.50	60	422.55	392.97	363.39	338.04
PE7147	SPDT	N	4 GHz	F	22-32	275	82	1.30:1	0.25	70	422.55	392.97	363.39	338.04
PE7148	SPDT	N	4 GHz	F	10-14	275	133	1.20:1	0.20	80	458.45	426.36	394.27	366.76
PE7149	SPDT	N	8 GHz	H, I, P	24-32	200	127	1.45:1	0.40	60	2218.60	2063.30	1908.00	1774.88
PE7150	TRANSFER	SMA	18 GHz	F	24-32	35	227	1.50:1	0.50	60	453.10	421.38	389.67	362.48
PE7151	TRANSFER	SMA	18 GHz	I, L, S	24-32	35	115	1.50:1	0.50	60	698.15	649.28	600.41	558.52
PE7152	TRANSFER	SMA	18 GHz	I, P	24-32	35	115	1.50:1	0.50	60	550.70	512.15	473.60	440.56
PE7153	TRANSFER	N	4 GHz	F	20-32	275	164	1.20:1	0.20	75	569.65	529.77	489.90	455.72
PE7154	DPDT	SMA	18 GHz	F, T	24-32	35	227	1.50:1	0.50	60	843.80	784.73	725.67	675.04
PE7155	DPDT	SMA	18 GHz	I, P	24-32	35	175	1.50:1	0.50	60	776.50	722.15	667.79	621.20
PE7156	DPDT	SMA	18 GHz	I, P, T	24-32	35	175	1.50:1	0.50	60	887.40	825.28	763.16	709.92
PE7157	DPDT	SMA	18 GHz	I, P, T, TTL	24-32	35	175	1.50:1	0.50	60	942.90	876.90	810.89	754.32
PE7158	SP4T	SMA	18 GHz	F, N	22-30	35	115	1.50:1	0.50	60	645.10	599.94	554.79	516.08
PE7159	SP6T	SMA	18 GHz	F, N	22-30	35	115	1.50:1	0.50	60	953.80	887.03	820.27	763.04
PE7160	SP10T	SMA	8 GHz	F, N	24-32	55	113	1.30:1	0.25	65	2446.35	2275.11	2103.86	1957.08

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SPECIFICATIONS

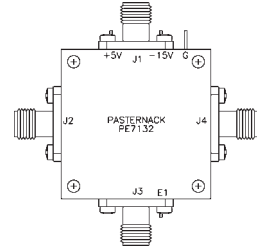
ALL CONNECTORS ARE SMA FEMALE
 OPERATING TEMPERATURE: - 55° C TO +85° C
 DC BIAS:

- V1: +5.0 ± 0.5V
- V2: -15.0 ± 3.0V

CONTROLS:

- TTL LOGIC 0: J1-J2, J3-J4 LOW LOSS
 J1-J4, J2-J3 ISOLATION
- TTL LOGIC 1: J1-J4, J2-J3 LOW LOSS
 J1-J2, J3-J4 ISOLATION

TRANSFER SWITCHES



MODEL NO.	FREQUENCY RANGE	VSWR (MAX.)	INSERTION LOSS (dB MAX.)	ISOLATION (dB MIN.)	MAX CURRENT @ V1 & V2 (see above)	SWITCHING SPEED (nsec MAX.)	POWER WATTS (MAX.)	P R I C E			
								1-24	25-49	50-99	100 +
PE7132	10 MHz - 1 GHz	1.5:1	1.3	80	80mA	100	2.0	\$2197.85	\$2044.00	\$1890.15	\$1758.28
PE7133	1 GHz - 2 GHz	1.5:1	1.0	80	100mA	100	1.0	1952.15	1815.50	1678.85	1561.72
PE7134	1 GHz - 18 GHz	2.0:1	3.1	65	80mA	100	0.5	2687.10	2499.00	2310.91	2149.68
PE7135	2 GHz - 4 GHz	1.6:1	1.2	75	100mA	100	1.0	2319.60	2157.23	1994.86	1855.68
PE7136	4 GHz - 8 GHz	1.6:1	1.9	75	100mA	100	1.0	2442.50	2271.53	2100.55	1954.00
PE7137	8 GHz - 12 GHz	1.8:1	2.2	70	100mA	100	0.5	2197.85	2044.00	1890.15	1758.28
PE7138	12 GHz - 18 GHz	2.0:1	3.0	65	100mA	100	0.5	2173.55	2021.40	1869.25	1738.84

Attenuators / RF Components



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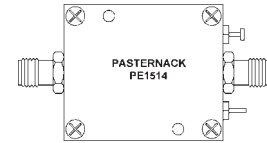


Same-Day Shipping,
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GENERAL PURPOSE AMPLIFIERS

SPECIFICATIONS

OPERATING VOLTAGE 9-15 VDC
 OPERATING TEMPERATURE -10° C to +65° C
 STORAGE TEMPERATURE RANGE ... -65° C to +125° C

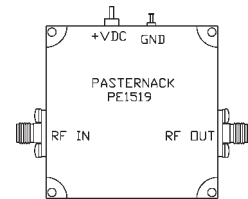


MODEL NO.	OPERATING CURRENT	FREQUENCY RANGE	GAIN (dB MIN.)	OUTPUT P1dB (dBm MIN.)	NOISE FIGURE (dB MAX.)	INPUT RL (dB TYP.)	OUTPUT RL (dB TYP.)	P R I C E			
								1-24	25-49	50-99	100 +
PE1513	50 mA	10-1000 MHz 1-2 GHz 2-3 GHz	20 17 14	13 11 9	2.7 3.5 5	-18 -18 -15	-12 -14 -10	\$332.75	\$309.46	\$286.17	\$266.20
PE1514	40 mA	10-2000 MHz 2-3 GHz	12 10	10 9	5.5 7	-15 -11	-15 -10	332.75	309.46	286.17	266.20
PE1515	80 mA	10-1000 MHz 1-2 GHz 2-3 GHz	13 12 10	16 15 14	7 7 8.5	-12 -12 -11	-14 -14 -10	332.75	309.46	286.17	266.20
PE1516	120 mA	100-1000 MHz 1-2 GHz 2-3 GHz	18 21 18	16 15 14	6 6 7	-18 -20 -18	-10 -15 -10	332.75	309.46	286.17	266.20
PE1525	120 mA	20-2500 MHz	19	15	6	-17	-14	318.40	296.11	273.82	254.72

LOW NOISE AMPLIFIERS

SPECIFICATIONS

OPERATING VOLTAGE 12 VDC
 OPERATING TEMPERATURE -30° C to +70° C
 STORAGE TEMPERATURE RANGE ... -40° C to +90° C



MODEL NO.	FREQUENCY RANGE	GAIN	GAIN FLATNESS	OUTPUT P1dB (dBm TYP.)	INPUT VSWR	OUTPUT VSWR	NOISE FIGURE	CURRENT @ +12VDC	P R I C E			
									1-24	25-49	50-99	100 +
PE1517	.05-1 GHz	21	1	12	2:1	2:1	3.5	100mA	\$396.60	\$368.84	\$341.08	\$317.28
PE1518	.05-2 GHz	21	1.5	12	2:1	2:1	3.5	100mA	388.25	361.07	333.90	310.60
PE1519	1-4 GHz	25	1	15	2:1	2:1	2.5	100mA	554.60	515.78	476.96	443.68
PE1520	2-4 GHz	25	1	15	2:1	2:1	2.5	100mA	514.10	478.11	442.13	411.28
PE1521	2-6 GHz	25	1	15	2:1	2:1	3.0	100mA	499.15	464.21	429.27	399.32
PE1522	4-8 GHz	25	1	15	2:1	2:1	3.0	100mA	514.10	478.11	442.13	411.28
PE1523	6-18 GHz	21	1.5	13	2:1	2:1	3.5	120mA	744.05	691.97	639.88	595.24
PE1524	2-18 GHz	21	1.5	13	2:1	2:1	3.5	120mA	794.10	738.51	682.93	635.28

HIGH OUTPUT NOISE GENERATORS

SPECIFICATIONS:

INPUT POWER +28VDC @ 20mA MAX.



MODEL NO.	FREQUENCY RANGE (GHz)	BIAS CONNECTORS	RF CONNECTORS	NOISE OUTPUT	FLATNESS (dB)	P R I C E			
						1-24	25-49	50-99	100 +
PE8505	1 - 2	SMA FEMALE	SMA MALE	30-35	± 1	\$950.75	\$884.20	\$817.65	\$760.60
PE8506	2 - 4	SMA FEMALE	SMA MALE	30-35	± 1	1109.20	1031.56	953.91	887.36
PE8507	4 - 8	SMA FEMALE	SMA MALE	30-35	± 1	1190.20	1106.89	1023.57	952.16
PE8508	8 - 12	SMA FEMALE	SMA MALE	28-33	± 1	1267.60	1178.87	1090.14	1014.08
PE8509	12 - 18	SMA FEMALE	SMA MALE	28-33	± 1	1394.40	1296.79	1199.18	1115.52

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Attenuators / RF Components

NOISE GENERATORS

SPECIFICATIONS:
INPUT POWER +28VDC AT 20 mA MAX.

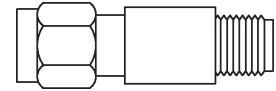


MODEL NO.	FREQUENCY RANGE (GHZ)	BIAS CONNECTORS	RF CONNECTORS	NOISE OUTPUT (ENR - dB)	VSWR (MAX.) ON/OFF	P R I C E			
						1-24	25-49	50-99	100 +
PE8500	1 - 2	BNC FEMALE	SMA MALE	15.5 ± 0.5	1.20:1	\$1109.20	\$1031.56	\$953.91	\$887.36
PE8501	2 - 4	BNC FEMALE	SMA MALE	15.5 ± 0.5	1.20:1	1267.60	1178.87	1090.14	1014.08
PE8502	4 - 8	BNC FEMALE	SMA MALE	15.5 ± 0.5	1.20:1	1348.65	1254.24	1159.84	1078.92
PE8503	8 - 12	BNC FEMALE	SMA MALE	15.5 ± 0.5	1.35:1	1426.10	1326.27	1226.45	1140.88
PE8504	12 - 18	BNC FEMALE	SMA MALE	15.5 ± 0.5	1.35:1	1552.95	1444.24	1335.54	1242.36

NEW BIASED SCHOTTKY DIODE DETECTORS

BROADBAND BIASED DETECTORS

Negative Output Polarity is Standard, Positive Output Polarity Indicated by "-P" Suffix.
Maximum RF Input Power: +23 dBm
Operating Temperature Range: -55° C to +125° C
Storage Temperature Range: -65° C to +150° C
Nominal Impedance: 50 Ohms



SMA MALE INPUT / SMA FEMALE OUTPUT

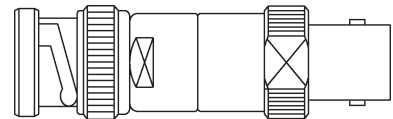
MODEL NO.		FREQUENCY RANGE (GHZ)	VOLTAGE SENSITIVITY (mV/mW MINIMUM)	TANGENTIAL SENSITIVITY* (dBm MINIMUM)	FLATNESS (± dB MAX.)	VIDEO CAPACITANCE (pF)	P R I C E			
NEGATIVE	POSITIVE						1-24	25-49	50-99	100 +
PE8001	PE8001-P	0.5 - 1.0	1800	-54	0.50	100	\$348.60	\$324.20	\$299.80	\$278.88
PE8002	PE8002-P	1.0 - 2.0	2000	-52	0.50	50	360.15	334.94	309.73	288.12
PE8003	PE8003-P	2.0 - 4.0	2000	-52	0.50	20	406.65	378.18	349.72	325.32
PE8004	PE8004-P	4.0 - 8.0	2000	-52	0.50	20	406.65	378.18	349.72	325.32
PE8005	PE8005-P	6.0 - 18.0	1600	-52	0.80	10	441.50	410.60	379.69	353.20
PE8006	PE8006-P	8.0 - 12.0	1800	-52	0.50	10	406.65	378.18	349.72	325.32
PE8007	PE8007-P	8.0 - 16.0	1800	-52	0.60	10	429.90	399.81	369.71	343.92
PE8008	PE8008-P	8.0 - 18.0	1600	-52	0.70	10	429.90	399.81	369.71	343.92
PE8009	PE8009-P	18.0 - 26.0	1500	-52	1.00	5	464.75	432.22	399.69	371.80

*TSS is measured with a 2 MHz video bandwidth and 2 dB NF amplifier.

SPECIFICATIONS:

FREQUENCY RANGE: 100 kHz-1,000 MHz
DC OUTPUT POLARITY: POSITIVE
RF INPUT: BNC MALE
DC OUTPUT: BNC FEMALE

BNC DETECTORS



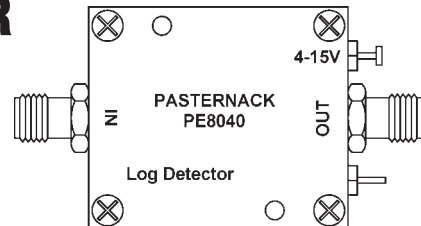
Model No.	NOMINAL IMPEDANCE	TANGENTIAL SENSITIVITY* (dBm MINIMUM)	FLATNESS (± dB MAXIMUM)	VIDEO CAPACITANCE (pF)	VSWR (MAXIMUM)	MAXIMUM RF INPUT POWER (dBm)	P R I C E			
							1-24	25-49	50-99	100 +
PE8000-50	50 Ω	-40	0.2 to 500 MHz 0.4 to 1000 MHz	1000	1.20:1	+20	\$185.45	\$172.47	\$159.49	\$148.36
PE8000-75	75 Ω	-20	0.2	1000	1.20:1	+20	166.70	155.03	143.36	133.36

*TSS is measured with a 2 MHz video bandwidth and 2 dB NF amplifier.

SPECIFICATIONS:

FUNCTION: LOG DETECTOR
LINEAR-IN-dB RESPONSE CHARACTERISTICS
INPUT IMPEDANCE: 50 Ω
OPERATING VOLTAGE: 9-15 VDC
OPERATING CURRENT: 50 mA
OUTPUT CURRENT: 0.5 mA MAXIMUM
OPERATING TEMPERATURE RANGE: -10° C to +65° C
STORAGE TEMPERATURE RANGE: -65° C to +125° C

LOG DETECTOR



MODEL NO.	FREQUENCY RANGE	SLOPE (mV/dB)	INTERCEPT POINT (dBm)	DYNAMIC RANGE (dB MINIMUM)	INPUT RL (dB)	OUTPUT VOLTAGE (V MAXIMUM)	OUTPUT SLEW RATE (V/mSEC)	P R I C E			
								1-24	25-49	50-99	100 +
PE8040	10-1000 MHz 1-2 GHz 2-3 GHz	41 40 37	-54 -55 -50	50 50 45	-15 -10 -8	2.1 2.1 2.0	20 20 20	\$386.60	\$359.54	\$332.48	\$309.28

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to USA & Canada



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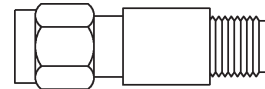
Same-Day Shipping,
Even Custom
Cable Assemblies

225

ZERO BIAS SCHOTTKY DIODE DETECTORS

NO BIAS REQUIRED

Negative Output Polarity is standard.
 Maximum RF Input Power: +23 dBm
 Operating Temperature Range: -55° C to +125° C
 Storage Temperature Range: -65° C to +150° C
 Units are matched for VSWR
 Nominal Impedance: 50 Ohms



SMA MALE INPUT / SMA FEMALE OUTPUT

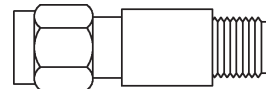
MODEL NO.	FREQUENCY RANGE (GHz)	VOLTAGE SENSITIVITY (mV/mW MINIMUM)	FLATNESS (\pm dB MAXIMUM)	VIDEO CAPACITANCE (pF)	VSWR (TYPICAL)	P R I C E			
						1-24	25-49	50-99	100 +
PE8010	0.01 - 2.0	500	0.20	470	1.20:1	\$377.00	\$350.61	\$324.22	\$301.60
PE8011	0.01 - 4.0	500	0.30	470	1.30:1	388.45	361.26	334.07	310.76
PE8012	0.01 - 12.4	500	0.30	470	1.40:1	372.60	346.52	320.44	298.08
PE8013	0.01 - 18.5	400	0.50	470	1.50:1	457.00	425.01	393.02	365.60
PE8014	0.01 - 26.5	100	0.50 (to 18 GHz)*	470	1.50:1 (to 18 GHz)*	491.30	456.91	422.52	393.04
PE8015	2.0 - 4.0	500	0.20	20	1.20:1	360.15	334.94	309.73	288.12
PE8016	2.0 - 8.0	500	0.20	20	1.20:1	429.90	399.81	369.71	343.92

*FLATNESS= 1.0 (18 to 26.5 GHz) & VSWR= 2.0:1 (18 to 26.5 GHz)

PIN-PIN DIODE LIMITERS

PASSIVE PIN DIODE LIMITERS

1 Watt CW and 100 Watt Peak (1 μ sec) power handling
 0.1% duty cycle, derated to 20% at +125° C
 Internal DC Return
 Limiting Threshold above +9 dBm typical
 Operating Temperature Range: -55° C to +125° C



SMA MALE INPUT / SMA FEMALE OUTPUT

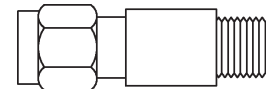
MODEL NO.	FREQUENCY RANGE (GHz)	INSERTION LOSS* (dB MAXIMUM)	VSWR* (MAXIMUM)	LEAKAGE @ 1W CW INPUT (dBm MAXIMUM)	P R I C E			
					1-24	25-49	50-99	100 +
PE8017	0.5 - 1.0	0.4	1.40:1	+19.0	\$360.15	\$334.94	\$309.73	\$288.12
PE8018	0.5 - 2.0	0.5	1.40:1	+19.0	365.60	340.01	314.42	292.48
PE8019	1.0 - 2.0	0.4	1.40:1	+19.0	360.15	334.94	309.73	288.12
PE8020	2.0 - 4.0	0.8	1.50:1	+18.5	340.60	316.76	292.92	272.48
PE8021	2.0 - 8.0	1.2	1.60:1	+16.0	429.90	399.81	369.71	343.92
PE8022	2.0 - 18.0	2.5	2.20:1	+18.0	441.50	410.60	379.69	353.20
PE8023	4.0 - 8.0	1.2	1.50:1	+16.0	383.45	356.61	329.77	306.76
PE8024	6.0 - 18.0	2.2	2.00:1	+16.0	429.90	399.81	369.71	343.92
PE8025	7.0 - 12.0	1.5	1.80:1	+16.0	406.65	378.18	349.72	325.32
PE8026	8.0 - 16.0	2.0	2.00:1	+16.0	418.25	388.97	359.70	334.60
PE8027	11.0 - 18.0	2.2	2.20:1	+16.0	464.75	432.22	399.69	371.80

*Insertion loss and VSWR are measured at -10 dBm.

PIN-SCHOTTKY DIODE LIMITERS

DETECTOR ACTIVATED LIMITERS

1 Watt CW and 200 Watt Peak (1 μ sec) power handling
 0.1% duty cycle, derated to 20% at +125° C
 Internal DC Blocks
 Limiting Threshold below +9 dBm typical
 Operating Temperature Range: -55° C to +125° C



SMA MALE INPUT / SMA FEMALE OUTPUT

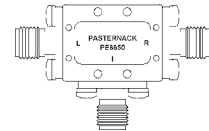
MODEL NO.	FREQUENCY RANGE (GHz)	INSERTION LOSS* (dB MAXIMUM)	VSWR* (MAXIMUM)	LEAKAGE @ 1W CW INPUT (dBm MAXIMUM)	P R I C E			
					1-24	25-49	50-99	100 +
PE8028	0.5 - 1.0	0.5	1.40:1	+14.0	\$342.75	\$318.76	\$294.77	\$274.20
PE8029	0.5 - 2.0	0.6	1.40:1	+14.0	371.80	345.77	319.75	297.44
PE8030	1.0 - 2.0	0.6	1.40:1	+14.0	360.15	334.94	309.73	288.12
PE8031	2.0 - 4.0	0.8	1.50:1	+14.0	377.00	350.61	324.22	301.60
PE8032	2.0 - 8.0	1.4	1.60:1	+14.0	360.15	334.94	309.73	288.12
PE8033	2.0 - 18.0	2.5	2.50:1	+14.0	441.50	410.60	379.69	353.20
PE8034	4.0 - 8.0	1.4	1.50:1	+13.0	371.80	345.77	319.75	297.44
PE8035	6.0 - 18.0	2.5	2.20:1	+13.0	441.50	410.60	379.69	353.20
PE8036	7.0 - 12.0	2.0	1.80:1	+12.0	429.90	399.81	369.71	343.92
PE8037	8.0 - 16.0	2.2	1.80:1	+12.0	429.90	399.81	369.71	343.92
PE8038	11.0 - 18.0	2.5	2.20:1	+12.0	464.75	432.22	399.69	371.80

*Insertion loss & VSWR are measured at -10 dBm.

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Attenuators / RF Components

DOUBLE BALANCED MIXERS

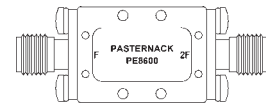


SPECIFICATIONS:

ALL UNITS HAVE SMA FEMALE CONNECTORS.
INPUT DRIVER LEVEL +10 dBm TO +13 dBm

MODEL NO.	RF (GHz)	LO (GHz)	IF (GHz)	LO POWER (dBm)	CONVRSN. LOSS dB (TYP.)	L-R ISO dB (TYP.)	L-I ISO dB (TYP.)	1 dB COMP (dBm)	INPUT TOIP (dBm)	P R I C E			
										1-24	25-49	50-99	100 +
PE8650	2.0-8.0	2.0-8.0	DC-1.5	+10	6.0	30	33	+4	+14	\$513.45	\$477.51	\$441.57	\$410.76
PE8651	2.0-8.0	2.0-8.0	0.1-4.0	+10	6.2	26	28	+4	+14	621.05	577.58	534.10	496.84
PE8652	2.0-18.0	2.0-18.0	DC-0.6	+10	7.3	27	22	+4	+13	665.75	619.15	572.55	532.60
PE8653	5.0-18.0	5.0-18.0	DC-4.0	+10	6.2	35	30	+4	+14	732.05	680.81	629.56	585.64
PE8654	6.0-18.0	6.0-18.0	1.5-8.0	+10	7.0	28	26	+4	+14	732.05	680.81	629.56	585.64

FREQUENCY DOUBLERS



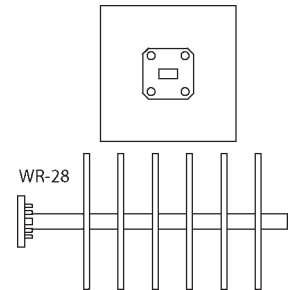
SPECIFICATIONS:

ALL UNITS HAVE SMA FEMALE CONNECTORS.

MODEL NO.	INPUT FREQUENCY (GHz)	OUTPUT FREQUENCY (GHz)	CONVERSION LOSS dB (TYP.)	FUNDAMENTAL ISO dB (TYP.)	P R I C E			
					1-24	25-49	50-99	100 +
PE8600	1.5-5.0	3.0-10.0	8.5	25	\$500.30	\$465.28	\$430.26	\$400.24
PE8601	2.0-6.0	4.0-12.0	11.0	25	522.55	485.97	449.39	418.04
PE8602	4.0-9.0	8.0-18.0	10.0	25	533.70	496.34	458.98	426.96
PE8603	9.0-13.0	18.0-26.0	10.0	25	567.05	527.36	487.66	453.64

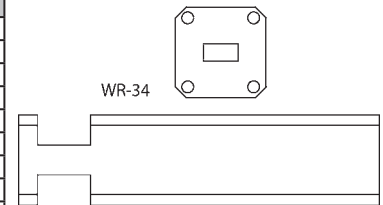
HIGH POWER WAVEGUIDE TERMINATIONS

WAVEGUIDE	FREQUENCY RANGE (GHz)	MODEL NO.	VSWR (MAX.)	AVERAGE POWER (WATTS MAX.)	P R I C E			
					1-24	25-49	50-99	100 +
WR-28	26.50-40.00	PE6827	1.10:1	75	\$929.55	\$864.48	\$799.41	\$743.64
WR-34	22.00-33.00	PE6828	1.10:1	75	929.55	864.48	799.41	743.64
WR-42	18.00-26.50	PE6829	1.10:1	100	929.55	864.48	799.41	743.64
WR-51	15.00-22.00	PE6830	1.10:1	100	929.55	864.48	799.41	743.64
WR-62	12.40-18.00	PE6831	1.10:1	175	929.55	864.48	799.41	743.64
WR-75	10.00-15.00	PE6832	1.10:1	175	1010.95	940.18	869.42	808.76
WR-90	8.20-12.40	PE6833	1.10:1	200	1010.95	940.18	869.42	808.76
WR-102	7.00-11.00	PE6834	1.10:1	300	1010.95	940.18	869.42	808.76
WR-112	7.05-10.00	PE6835	1.10:1	300	1010.95	940.18	869.42	808.76



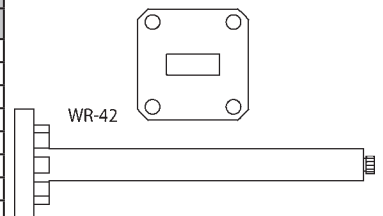
MEDIUM POWER WAVEGUIDE TERMINATIONS

WAVEGUIDE	FREQUENCY RANGE (GHz)	MODEL NO.	VSWR (MAX.)	AVERAGE POWER (WATTS MAX.)	P R I C E			
					1-24	25-49	50-99	100 +
WR-28	26.50-40.00	PE6818	1.07:1	40	\$697.15	\$648.35	\$599.55	\$557.72
WR-34	22.00-33.00	PE6819	1.07:1	40	697.15	648.35	599.55	557.72
WR-42	18.00-26.50	PE6820	1.07:1	50	697.15	648.35	599.55	557.72
WR-51	15.00-22.00	PE6821	1.07:1	55	697.15	648.35	599.55	557.72
WR-62	12.40-18.00	PE6822	1.07:1	60	697.15	648.35	599.55	557.72
WR-75	10.00-15.00	PE6823	1.07:1	75	813.40	756.46	699.52	650.72
WR-90	8.20-12.40	PE6824	1.07:1	90	813.40	756.46	699.52	650.72
WR-102	7.00-11.00	PE6825	1.07:1	100	813.40	756.46	699.52	650.72
WR-112	7.05-10.00	PE6826	1.07:1	100	813.40	756.46	699.52	650.72



PRECISION WAVEGUIDE TERMINATIONS

WAVEGUIDE	FREQUENCY RANGE (GHz)	MODEL NO.	VSWR (MAX.)	AVERAGE POWER (WATTS MAX.)	P R I C E			
					1-24	25-49	49-50	100 +
WR-28	26.50-40.00	PE6809	1.05:1	0.50	\$614.35	\$571.35	\$528.34	\$491.48
WR-34	22.00-33.00	PE6810	1.05:1	0.50	614.35	571.35	528.34	491.48
WR-42	18.00-26.50	PE6811	1.05:1	0.50	614.35	571.35	528.34	491.48
WR-51	15.00-22.00	PE6812	1.05:1	1.0	627.55	583.62	539.69	502.04
WR-62	12.40-18.00	PE6813	1.05:1	1.5	614.35	571.35	528.34	491.48
WR-75	10.00-15.00	PE6814	1.05:1	2.0	580.95	540.28	499.62	464.76
WR-90	8.20-12.40	PE6815	1.05:1	2.0	580.95	540.28	499.62	464.76
WR-102	7.00-11.00	PE6816	1.05:1	2.0	580.95	540.28	499.62	464.76
WR-112	7.05-10.00	PE6817	1.05:1	2.0	580.95	540.28	499.62	464.76



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Irvine, CA 92623-6759 USA**

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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
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- Most other shipping options, including DHL (with an approved account number) and USPS

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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.

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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.

PASTERNAK 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:



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-PASTERNAK (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 PE3xxxLF-yy, where "xxx" 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.



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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 PASTERNAK ENTERPRISES, INC. GRANTING CREDIT, WE AGREE TO THE FOLLOWING:

- 1) WE WILL PAY ALL INVOICES IN ACCORDANCE WITH PASTERNAK 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 PASTERNAK 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 $\pm 1.5\%$ or $\frac{3}{16}$ 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. PASTERNAK'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 PASTERNAK 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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