

NOISE GENERATORS

SSTCIFICATION:

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			
ST8500	1 - 2	BNC FEMALE	SMA MALE	15.5 ± 0.5	1.20:1	1-24	25-49	50-99	100 +
ST8501	2 - 4	BNC FEMALE	SMA MALE	15.5 ± 0.5	1.20:1	\$997.50	\$927.68	\$857.85	\$798.00
ST8502	4 - 8	BNC FEMALE	SMA MALE	15.5 ± 0.5	1.20:1	1140.00	1060.20	980.40	912.00
ST8503	8 - 12	BNC FEMALE	SMA MALE	15.5 ± 0.5	1.35:1	1212.85	1127.95	1043.05	970.28
ST8504	12 - 18	BNC FEMALE	SMA MALE	15.5 ± 0.5	1.35:1	1282.50	1192.73	1102.95	1026.00
						1396.50	1298.75	1200.99	1117.20

BIASED SCHOTTKY DIODE DETECTORS

BROADBAND BIASED DETECTORS

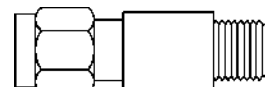
Negative Output Polarity is standard.

Maximum Input Power: 200 mW CW

Ostrating Temstrature Range: -55° C to +125° C Storage

Temstrature Range: -65° C to +150° C

Sttcification @ +25° C, 100 µA Bias typical, Input Power at -20 dBm



SMA MALE INPUT / SMA FEMALE OUTPUT

MODEL NO.	FREQUENCY RANGE (GHZ)	VOLTAGE SENSITIVITY ¹ (MIN. mV/mW)	TANGENTIAL SENSITIVITY (MIN. dBm)	FLATNESS MAX. dB	VIDEO CAPACITANCE (MAX. pF)	P R I C E			
ST8001	0.5 - 1.0	1800	-52	0.50	100	1-24	25-49	50-99	100 +
ST8002	1.0 - 2.0	2000	-52	0.50	20	\$313.45	\$291.51	\$269.57	\$250.76
ST8003	2.0 - 4.0	2000	-52	0.50	10	323.90	301.23	278.55	259.12
						365.70	340.10	314.50	292.56
ST8004	4.0 - 8.0	2000	-52	0.50	10	365.70	340.10	314.50	292.56
ST8005	6.0 - 18.0	1600	-52	0.80	10	397.05	369.26	341.46	317.64
ST8006	8.0 - 12.0	1800	-52	0.50	10	365.70	340.10	314.50	292.56
ST8007	8.0 - 16.0	1800	-52	0.60	10	386.60	359.54	332.48	309.28
ST8008	8.0 - 18.0	1600	-52	0.70	10	386.60	359.54	332.48	309.28
ST8009	18.0 - 26.0	1500	-52	1.00	10	417.95	388.69	359.44	334.36

¹ Tss is measured with a 2 MHz video bandwidth and 2 dB NF amplifier.

BNC DETECTORS

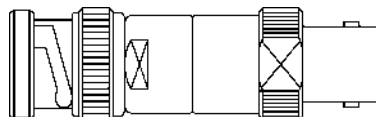
FREQUENCY RANGE: 100 kHz-1,000 MHz

VSWR: 1.20:1 MAXIMUM

FLATNESS: ± .2 dB TO 500 MHz

± .4 dB TO 1,000 MHz

DC OUTPUT POLARITY: POSITIVE



MAXIMUM RF INPUT POWER: 100 mW

OUTPUT CAPACITANCE: 1,600 pF

RF INPUT: BNC MALE

DC OUTPUT: BNC FEMALE

Model No.	1-24	25-49	50-99	100 +
ST8000-50	\$167.15	\$155.45	\$143.75	\$133.72
310000-73	147.73	137.43	120.70	117.70

LOG DETECTOR

SSTCIFICATIONS

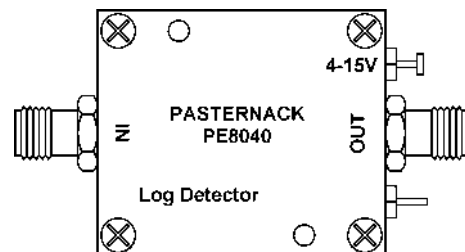
OSTRATING VOLTAGE 9-15 VDC

OSTRATING TEMSTRATURE RANGE..... -10° C to +65° C

STORAGE TEMSTRATURE RANGE-65° C to +125° C

LINEAR-IN-dB RESPONSE CHARACTERISTICS

P R I C E			
1-24	25-49	50-99	100 +
\$331.20	\$308.02	\$284.83	\$264.96



MODEL NO.	FUNCTION	OSTRATING CURRENT	FREQUENCY	SLOST (mV/dB)	INTERCEPT POINT (dBm)	DYNAMIC RANGE (dB MIN)	INPUT IMSTDANCE (OHMS)	INPUT RL (dB)	OUTPUT CURRENT (mA MAX)	OUTPUT VOLTAGE (V MAX)	OUTPUT SLEW RATE (V/mSEC)
ST8040	LOG DETECTOR	50 mA	10-1000 MHz	41	-54	50	50	-15	0.5	2.1	20
			1-2 GHz	40	-55	50	50	-10	0.5	2.1	20
			2-3 GHz	37	-50	45	50	-8	0.5	2.0	20