

STZ 118 ZERO BIAS SCHOTTKY DETECTORS

TECHNICAL FEATURE

FEATURES

- No Bias Required
- Metallurgically Bonded Diode
- Miniature Size
- Usable to 20 GHz and Above



PERFORMANCE @ ROOM AMBIENT

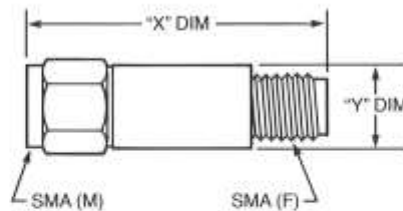
Voltage Sensitivity..... 1500 mV/mW min.
 Flatness..... ± 1.0 dB max
 T_{SS} (2 MHz BW)..... 48 dBm min.
 Output Capacitance (Typical)..... 20 pF
 Video Resistance.....3000 ohms, Nominal
 Maximum RF Power (CW)..... + 20 dBm
 Temperature Sensitivity.....±2.5 dB, -50°C to +125° C typ
 Output Polarity – STZ118..... Negative
 -- STZ118P..... Positive
 Weight..... 7 grams
 Outline Drawing – B2

ENVIRONMENTAL RATINGS

Storage Temperature.....-55°C to +125°C
 Operating Temperature.....-55°C to +125°C
 Temperature Cycling.....-55°C to +125°C
 Shock..... 1500g, 0.5 msec.
 50g, 11 msec.
 Vibration..... 20 g, 100 – 2000 Hz
 Acceleration..... 2000g
 Maximum Power
 CW.....200 mW
 Pulsed 1µsec/1 KHz..... 1 W
 Weight..... 7 grams

OUTLINE DRAWING

Case Style "B"



DASH NO.	DIM "X"—INCHES/MILLIMETER				DIM "Y"—INCHES/MILLIMETER			
	MINIMUM		MAXIMUM		MINIMUM		MAXIMUM	
	IN	MM	IN	MM	IN	MM	IN	MM
B1	1.01	25.65	1.05	26.67	.310	7.87	.335	8.51
B2	1.14	28.96	1.18	29.97	.310	7.87	.335	8.51
B3	1.29	32.77	1.33	33.78	.310	7.87	.335	8.51

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