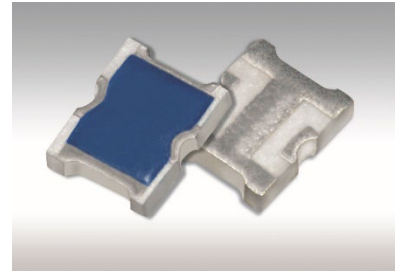


ORDERING INFORMATION

PART IDENTIFIER: SPL-TT9XX.0SMT

XX = dB Value



SPECIFICATIONS

1. ELECTRICAL:

Nominal Impedance: 50 Ω .
 Frequency Range: DC – 20 GHz.
 Attenuation Values Available: 1 – 10 in 1 dB increments.
 Attenuation Accuracy:

ATTENUATION ACCURACY @25°C		
dB	DC – 15 GHz	15-20 GHz
0 – 4	±0.5	±0.5
5 - 10	±0.5	±0.75

Input Power CW: 500 Milliwatts full rated power to 125°C, derated linearly to 0 watts at 150°C.
 VSWR @ 25°C: DC – 20 GHz - 1.40:1 Typical.
 DC – 20 GHz - 1.70:1 Max.

2. ENVIRONMENTAL:

Operating Temperature: -55°C to +150°C.

3. MARKING:

Unit Marking: Marked with dB Value. Legibility and Permanency per MIL-STD-130.

4. QUALITY ASSURANCE:

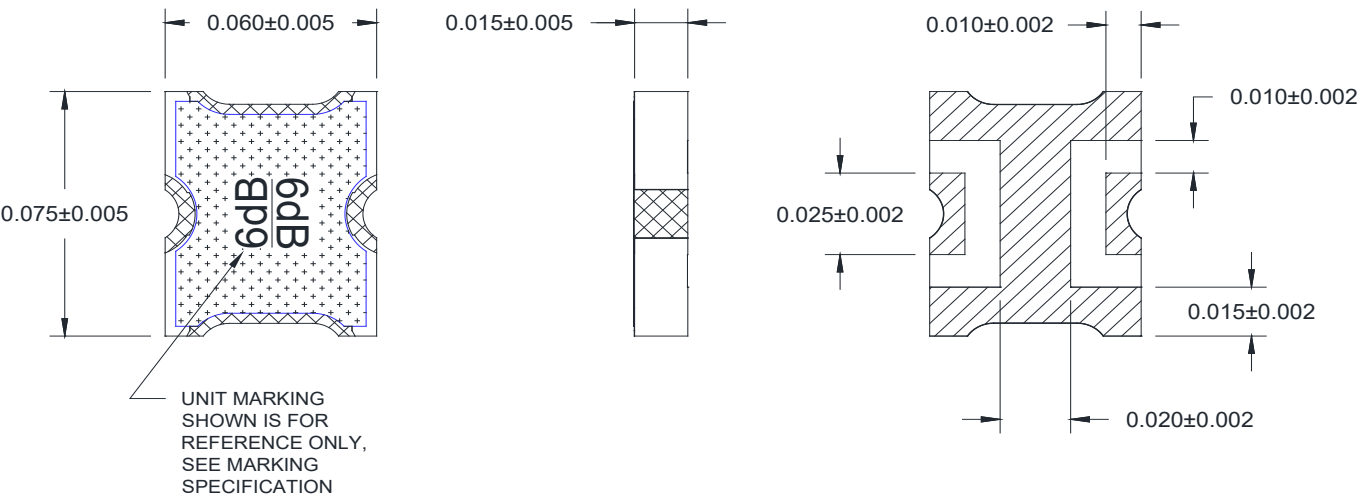
100% Electrical, visual, and mechanical examination for conformance to outline dwg requirements.
 Perform inspection in accordance with 824W009 and 824W199.
 Test data requirements:
 100% test data required for customer.
 SPL sim data per 824W199.
 Data retention – 7 years standard.

5. PACKAGING:

Standard Packaging: Tape and Reel.

6. MECHANICAL:

Substrate Material: Alumina.
 Resistive Film: Thick Film.
 Terminal Material: Thick Film, Nickel Barrier, Solder Plated.
 Metric Dimensions: Provided for reference only.
 Workmanship: Per MIL-PRF-55342.



Unless Otherwise Specified: TOLERANCE: X.XXX = ± 0.005.

7. FOOTPRINT:

Part Number	Inches						mm					
	A	B	C	D	S	W	A	B	C	D	S	W
TT9XX.0SMT	0.019	0.011	0.012	0.041	0.012	0.070	0.48	0.28	0.30	1.04	0.30	1.78

