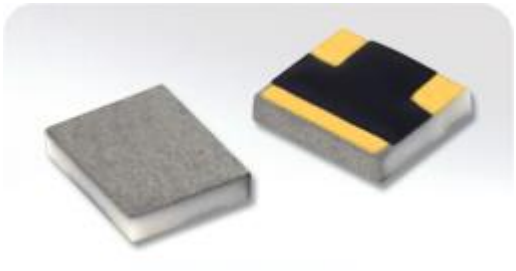
ORDERING INFORMATION

Part Identifier:

MTVA0X00N0XWB1

- X-Temperature Coefficient of Attenuation 1 x 10^{-3} dB/dB/°C
- N-Attenuation Shift Negative
- X-dB Value



SPECIFICATIONS

1.0 ELECTRICAL

Nominal Impedance:	50 Ω
Frequency Range:	DC-12.4 GHz
Attenuation Values Available:	0 – 9 dB
Attenuation Accuracy:	@ 25°C: ± 0.5 dB @ 1 GHz
VSWR:	1.30:1 Max @ 1 GHz
Input Power	200 milliwatts cw. Full Rated Power to 125°C, Derated Linearly to 0 watts @ 150°C
Temperature Coefficient of Attenuation:	-0.003, -0.004, -0.005, -0.006, -0.007, -0.008 and -0.009 dB/dB/°C
Temperature Coefficient Tolerance:	± 0.001 dB/dB/°C

2.0 ENVIRONMENTAL

Operating Temperature:	-55˚C to +150˚C

3.0 MARKING

Unit Marking:	None

4.0 QUALITY ASSURANCE

Sample Inspect Per ANSI/ASQC Z1.4 General Inspection, Level II, AQL=1.0.

Visual and Mechanical Examination for Conformance to Outline Drawing Requirements

Sample Inspection (Destructive Testing).

Select three (3) units from lot and measure DCA every 20ºC over the temperature range of -55°C to +125°C; Calculate using linear regression, the slope of the curve.

Calculate TCA using the following formula:

$$TCA = \frac{Slope}{Attenuation\ @\ 25°C}$$

Inspection in accordance with 824W107

Test Data Requirements:

No Data Required for Customer

Data Retention – 24 Months

5.0 PACKAGING

Standard:	Tape and Reel

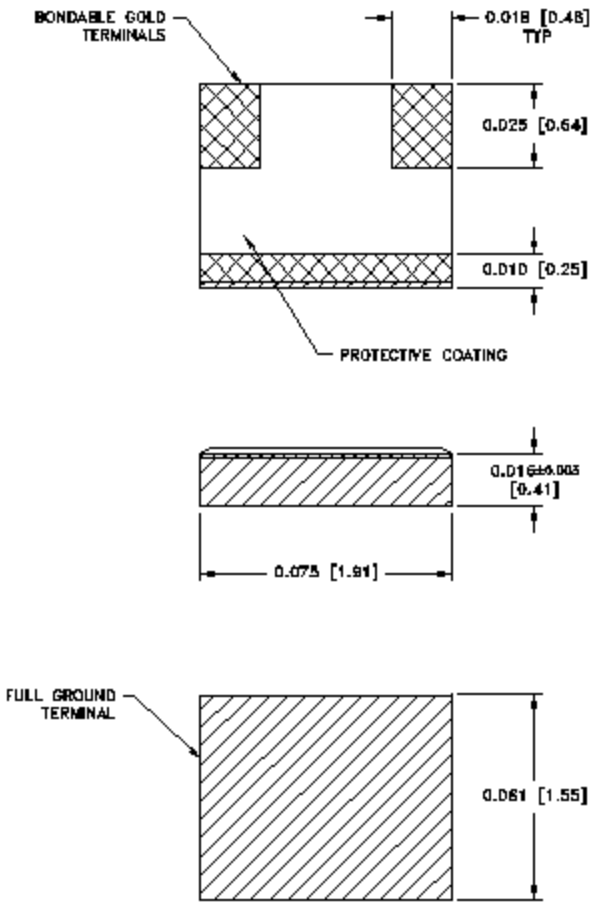
AMERICAS
Sales: Focom.uscsr@smithsinterconnect.com
Technical Support: Focom.techsupport@smithsinterconncet.com

EUROPE
Sales: Focom.emeacsr@smithsinterconnect.com
Technical Support: Focom.techsupport@smithsinterconncet.com

ASIA
Sales: Focom.asiacsr@smithsinterconnect.com
Technical Support: Focom.techsupport@smithsinterconncet.com

6.0 MECHANICAL

Substrate Material:	Alumina, 96% MIL-I-10
Terminal Material:	Thick Film, Bondable gold
Workmanship	Per MIL-PRF-55342
Resistive Element:	Thick Film
Ground Plane:	Thick Film
Metric Dimensions:	Provided for reference only



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

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