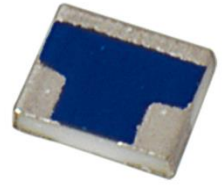


ORDERING INFORMATION



PART IDENTIFIER:

MTVA0X00XXG

XX-Temperature Coefficient of Attenuation 1×10^{-3} dB/dB/°C

X-Attenuation Shift Negative or Positive

X-dB Value

SPECIFICATIONS

1.0 ELECTRICAL

Nominal Impedance:	50 Ω
Frequency Range:	Shift Neg. -.003,-.004,-.005 DC-18 GHz -.006,-.007,-.009 DC-12.4 GHz Shift Pos. +.005 DC-18 GHz
Attenuation Values Available:	1-8 dB in 1 dB increments
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 and -0.009 dB/dB/°C 0.005 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 20°C 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:

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

Inspection in accordance with 824W107

Test Data Requirements:

No Data Required for Customer

Data Retention – 24 Months

5.0 PACKAGING

Standard: Tape & Reel

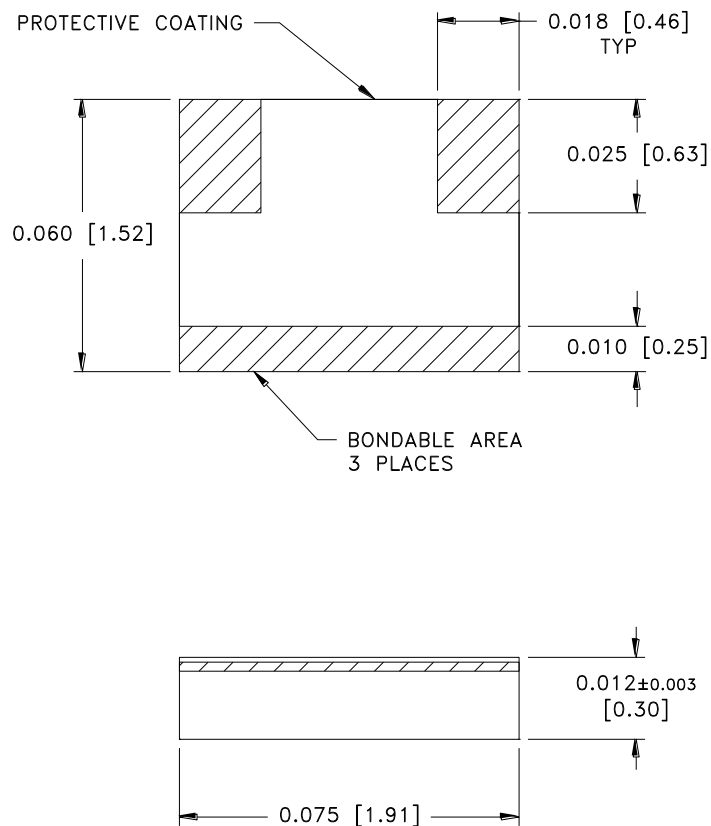
ATTENUATOR TEMPERATURE VARIABLE

DATASHEET PART SERIES: MTVA0X00XXXG

Sheet 2 of 2
Doc# MTVA0X00XXXG-1007895ECO-084244
Revision Y

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
Metric Dimensions:	Provided for reference only



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