ATTENUATOR HIGH RELIABILITY CHIP 2 WATT

ORDERING INFORMATION

Part Identifier: HRTXX XX X XXW3

- XX-TEMPERATURE COEFFICIENT OF ATTENUATION 1X10³ DB/DB/°C
- X- ATTENUATION SHIFT NEGATIVE OR POSITIVE.
- XX-TEST CODE: 0A=GROUP A; 0B=GROUP B; 0C=GROUP C
- XX-DB VALUE SEE TABLE

SPECIFICATIONS

1.0 ELECTRICAL

Nominal Impedance:	50 Ω.
Frequency Range:	DC – 6 GHz.
Attenuation Values Available:	1 – 10 in 1 dB increments.
Attenuation Accuracy @ 25ºC:	± 0.5 dB @ 1 GHz.
VSWR:	1.30:1 Max. @ 1 GHz.
Input Power CW:	Negative shifting: 2 watts cw. Positive shifting: 0.25 watts cw. Full rated power to 125°c, derated linearly to 0 watts at 150°C.
Temperature Coefficient of Attenuation:	-0.003, -0.004, -0.005, -0.006, -0.007, and -0.009 dB/dB/°C. .0.003, 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:	dB value (XX), direction of shift (N or P) and TCA shift (X).

4.0 QUALITY ASSURANCE

Visual Inspection Performed per TP-8965.

Perform Group A, B and/or C testing as indicated by the part number per TP-8965.

Test Data requirements:

Test data required for customer see TP-8965.

Data retention – 24 months.

Test samples required for customer see TP-8965.

5.0 PACKAGING

Standard Packaging:	Waffle Pack.

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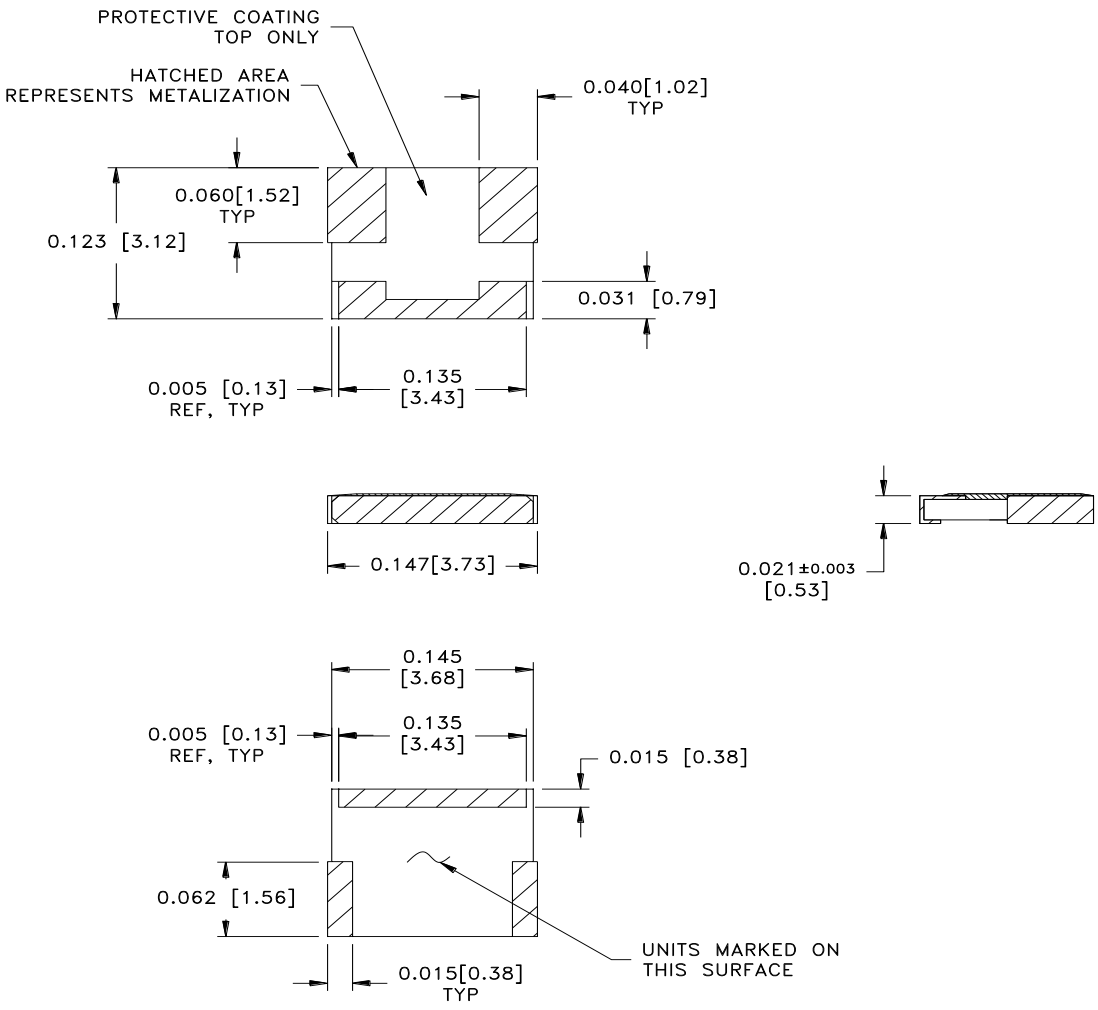
6.0 MECHANICAL

Substrate Material:	Alumina, 96%, MIL-I-10.
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.

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