

ATTENUATOR HIGH RELIABILITY CHIP 2 WATT

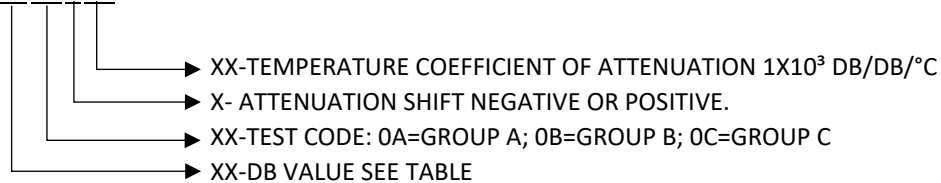
DATASHEET PART SERIES: HRTXXXXXXW3S

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Doc# 1009765ECO-084379
Revision G

ORDERING INFORMATION



Part Identifier: HRTXX XX XXW3S



SPECIFICATIONS

1.0 ELECTRICAL

Nominal Impedance:	50 Ω .
Frequency Range:	DC – 6 GHz.
Attenuation Values Available:	1 – 10 in 1 dB increments.
Attenuation Accuracy @ 25°C:	± 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. .0003, 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.
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3.0 MARKING

Unit Marking:	dB value (XX), direction of shift (N or P) and TCA shift (X).
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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.

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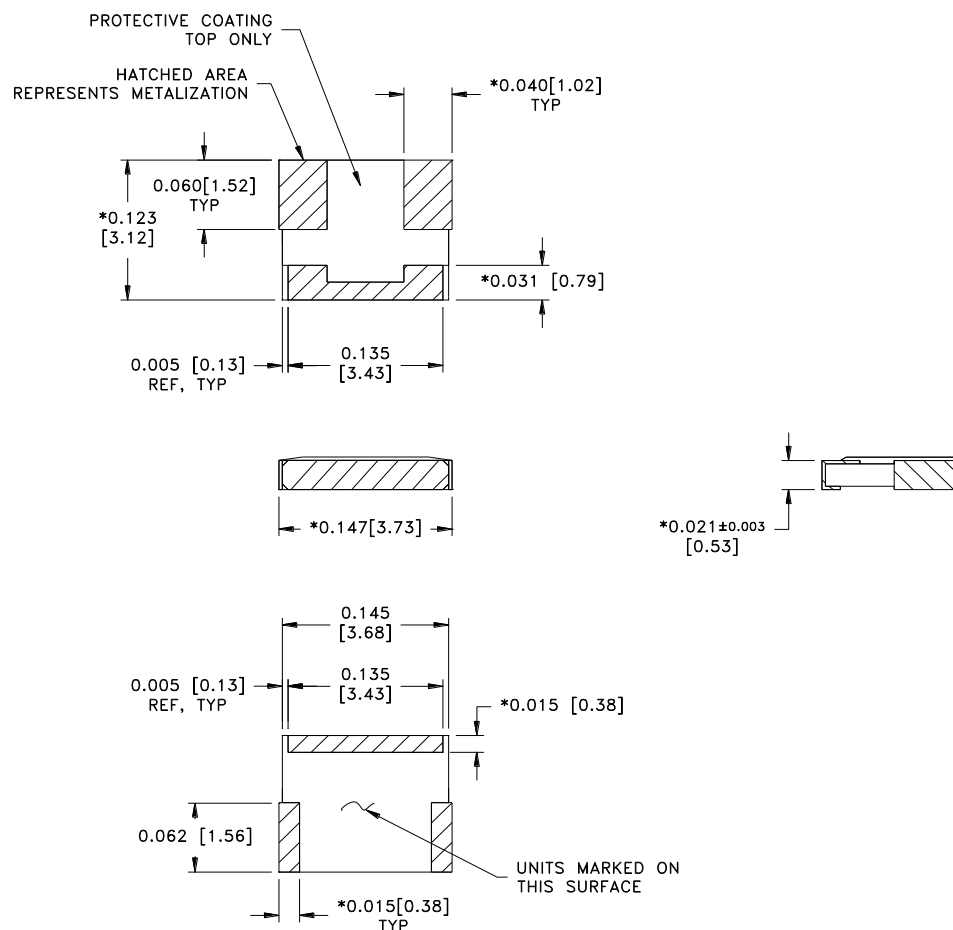
5.0 PACKAGING

Standard Packaging:

Waffle Pack.

6.0 MECHANICAL

Substrate Material: Alumina, 96%, MIL-I-10.
 Resistive Film: Thick Film.
 Terminal Material: Thick Film, Nickel Barrier, Solder Coated.
 Metric Dimensions: Provided for reference only.
 Workmanship: PER MIL-PRF-55342.



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

*Dimensions apply before solder. Allow 0.015 Max for all pre-tinned surfaces.