

ATTENUATOR HIGH RELIABILITY CHIP 200 MILLIWATTS

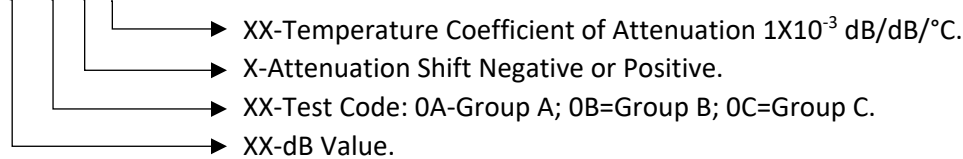
DATASHEET PART SERIES: HRMXXXXXXXXS

Sheet 1 of 3
Doc# HRMXXXXXXXXS-1009795ECO-084379
Revision C

ORDERING INFORMATION

PART IDENTIFIER:

HRMXX XX XXS



SPECIFICATIONS

1.0 ELECTRICAL

Nominal Impedance:	50 Ω .
Frequency Range:	DC – 18 GHz. -.003 dB/dB/°C Thru -.005 dB/dB/°C DC – 18 GHz. -.006 dB/dB/°C Thru -.009 dB/dB/°C DC – 12.4 GHz.
Attenuation Values Available:	0-10 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 Full Rated Power To 125°C, Derated Linearly to 0 Watts at 150°C.
Temperature Coefficient of	-0.003, -0.004, -0.005, -0.006, -0.007, and -0.009 dB/dB/°C.
Temperature Coefficient Tolerance:	± 0.001 dB/dB/°C.

2.0 ENVIRONMENTAL

Operating Temperature:	-55°C to +150°C
Temperature Coefficient:	See Frequency Range Above: ± 0.001 dB/dB/°C.

3.0 MARKING

Unit Marking:	dB Value (X), Direction of Shift (N) and TCA Shift (X).
---------------	---

4.0 QUALITY ASSURANCE

- Verify 100% Visual Pre-Cap 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:	Serialized Waffle Pack.
---------------------	-------------------------

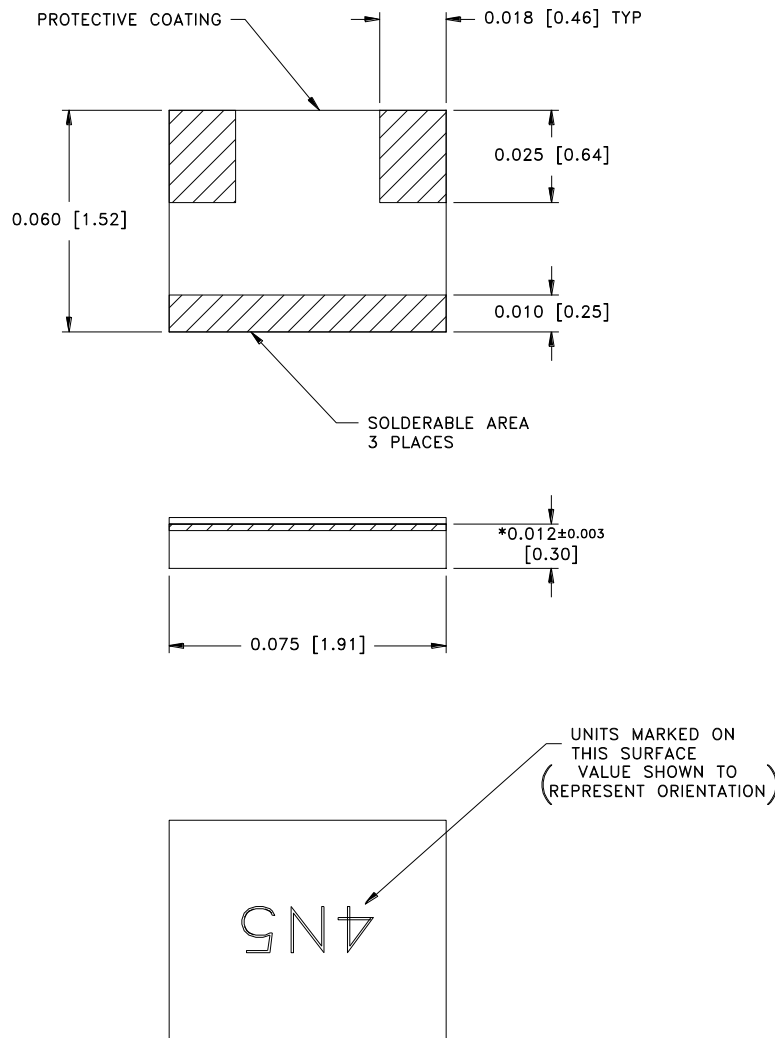
ATTENUATOR HIGH RELIABILITY CHIP 200 MILLIWATTS

DATASHEET PART SERIES: HRMXXXXXXXXS

Sheet 2 of 3
Doc# HRMXXXXXXXXS-1009795ECO-084379
Revision C

6.0 MECHANICAL

Substrate Material: Alumina 96%.
 Resistive Film: Thick Film.
 Terminal Material: Thick Film, Nickel Barrier, Solder Coated.
 Metric Dimensions: Provided for reference only.
 Workmanship: PER MIL-STD-130.



* DIMENSIONS APPLY BEFORE SOLDER. ALLOW
0.015 MAX FOR ALL PRETINNED SURFACES.

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

ATTENUATOR HIGH RELIABILITY CHIP 200 MILLIWATTS

DATASHEET PART SERIES: HRMXXXXXXXXS

7.0 FOOTPRINT

Part Number	Inches						mm					
	A	B	C	D	S	W	A	B	C	D	S	W
HRMXXXXXXXXS	0.022	0.028	0.041	0.013	0.026	0.075	0.56	0.71	1.04	0.33	0.66	1.91

