ATTENUATOR HIGH RELIABILITY CHIP 2 WATT



DATA SHEET

PART SERIES: HRTXXXXXXXW3

Dwg 1009755

EN 16-0741 Revision C

FEATURES

Small Footprint High Power Surface Mount Low VSWR Easy Installation Wide Attenuation Offering

APPLICATIONS

Mobile Networks Broadcast High Power Amplifiers Isolators/Circulators Military Instrumentation

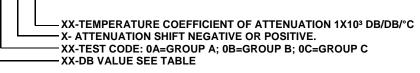


GENERAL DESCRIPTION

EMC Technology offers the widest selection of chip attenuators worldwide. We offer a line of fixed attenuators in a high-reliability S-level common platform for space, military, and aerospace designs. The standard parts eliminate the need for costly and time-consuming drawings and specifications meeting the specification and testing requirements of Mil-PRF-55342. Parts may be ordered 100% tested to Group A with the option to add Group B or Group C. With our smart part numbering system, companies may designate the level of testing they require simply by indicating Group A, B, & C at the appropriate location in the part number.

ORDERING INFORMATION





SPECIFICATIONS

1.0ELECTRICAL

Nominal Impedance:	50 ohms
Frequency Range:	DC – 6 GHZ
Attenuation Values Available:	1 – 10 in 1 dB increments
Attenuation Accuracy @ 25°C:	± 0.5 dB @ 1GHz
VSWR:	1.30:1 Max. @ 1GHz
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	n:-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

3.0MARKING

Unit Marking:

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

ATTENUATOR HIGH RELIABILITY CHIP 2 WATT



DATA SHEET PART SERIES: HRTXXXXXXXX3

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.

Waffle Pack

Test Data requirements

Test data required for customer see TP-8965.

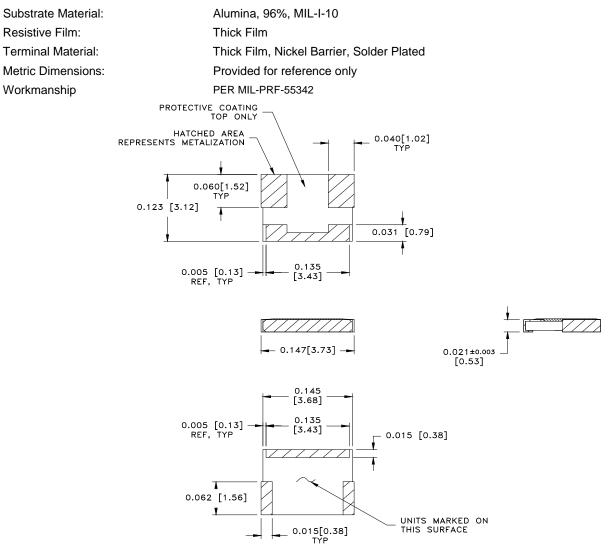
Data retention - 24 months

Test samples required for customer see TP-8965.

5.0 PACKAGING

Standard Packaging:

6.0 MECHANICAL



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

smiths microwave

Form 423F147

Cage Codes: 24602 / 2Y194 Specifications are Subject to Change Without Notice www.emc-rflabs.com • +1 772-286-9300 AS 9100, ISO 9001 and 14001 Certified

EN 16-0741 Revision C