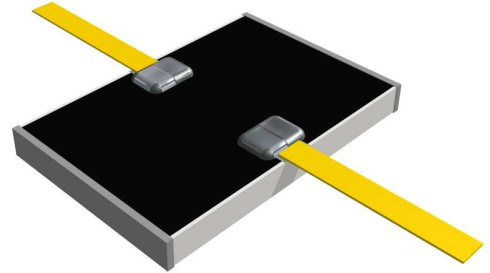


FEATURES

- AlN Substrate
- Low VSWR
- High Attenuation Accuracy
- Excellent Thermal Stability

APPLICATIONS

- Circulators
- Filters
- High Power Amplifiers
- Instrumentation
- Isolators
- Military
- Signal Sampling



GENERAL DESCRIPTION

The 83 series of surface mount thin-film chip attenuators are designed for direct installation on printed circuit boards. Edge metallization on two sides forms the solder fillets for stronger attachment, easier inspection, and improved heat dissipation. The devices are available in Alumina, Aluminum Nitride (AlN) or BeO. All devices are available RoHS compliant.

SPECIFICATIONS

1.0 ELECTRICAL

Normal Impedance:	50 Ohms
Frequency Range:	DC – 3.0 GHz
VSWR:	1.15:1 DC – 1.0 GHz
	1.25:1 1.0 – 2.0 GHz
	1.30:1 2.0 – 3.0 GHz
Input Power:	150 Watts
Attenuation:	20.0 dB, 30.0 dB
Attenuation Accuracy:	± 1.0 dB
Temperature Coefficient:	± 200 PPM / °C max
Operating Temperature:	-55°C to +150 °C

2.0 MECHANICAL

Substrate:	Aluminum Nitride
Tab:	Beryllium Copper, Gold Plated
Resistive Element:	Thin Film

3.0 UNIT MARKING

NONE

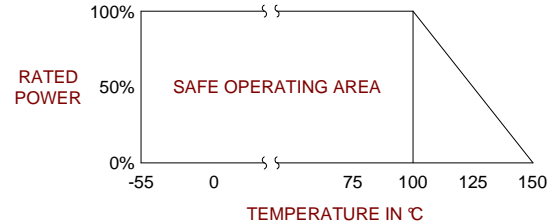
4.0 PACKAGING

Standard:	Tray Packaging
Optional:	Available Upon Request

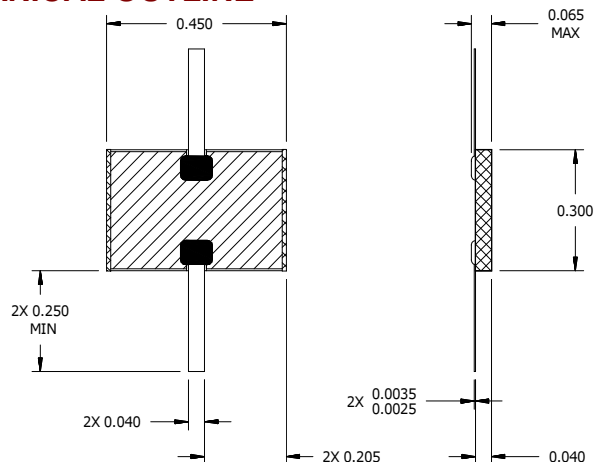
5.0 PART NUMBERING

Part Identifier:	83A7048TEXX.00F
	XX=ATTENUATION VALUE

POWER RATING AND DERATING



MECHANICAL OUTLINE



Unless Otherwise Specified: TOLERANCE: .XXX = ± .010

Note: Specifications are subject to change without notice.