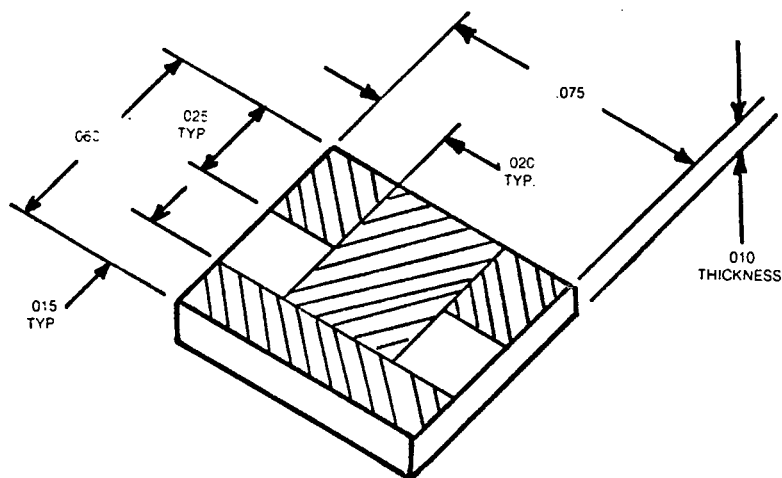




PRODUCT CATALOG

CHIP ATTENUATORS



RECOMMENDED MOUNTING METHOD

FLIPCHIP:

Use 60/40 Solder Paste or Conductive Epoxy

UPRIGHT:

Wire Bonding (Gold or Aluminum)

Solder Tabs

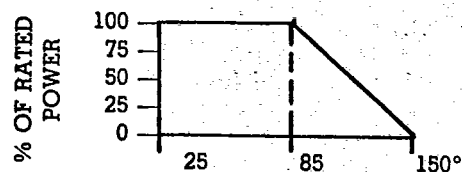
Db ATTENUATION INCREMENT	Db ATTENUATION ACCURACY				VSWR MAXIMUM			
	DC-4 GHz	4-8 GHz	8-12 GHz	12-18 GHz	DC-4 GHz	4-8 GHz	8-12 GHz	12-18 GHz
1 to 3	±.3	±0.5	±0.5	±0.5	1.25	1.35	1.50	1.50
3 to 6	±.3	±0.5	±0.5	±0.75	1.25	1.35	1.50	1.50
6 to 10	±.5	±0.5	±0.75 +0.5	±1.0	1.25	1.35	1.50	1.50
10 to 15	±.75	±0.5 +0.5	-4.0 +1.0	N/A	1.25	1.35	1.50	N/A
15 to 20	±1.0	-4.0	-7.0	N/A	1.25	1.35	1.50	N/A

FEATURES:

- Frequency Range: DC to 18 GHz
- Attenuation Values: 0 to 20 dB in any dB increments
- Impedance: 50 or 75 Ohms*
- Operating Temperature: 65°C to +150°C.
- Military Requirements: Exceeds applicable requirements of MIL-E-5400 and MIL-R-55342
- Attenuation Stability: 0.0001 dB/dB/°C.
- Substrate: 99.6% Alumina.
- Solder Terminals: 60/40 Solder (T) or Gold Plate.
- Resistive Element: Passivated Nichrome "Thin Film".
- Rated Power: 250 MW Dissipation.
- Metalized Backing Available
- 75 Ohms goes to 2 GHz.

NOTE: Our 0640-13 Series Chip Attenuators are now available!
Pie Size .125" x .150" on .025 Thick Substrates

POWER DERATING



CASE/CHIP TEMPERATURE

ORDERING INFORMATION

Single Chip Series _____ 0640-12 XX T
 Custom Attenuator _____
 Db Value Required _____
 Tinned Terminals 60/40 _____
 Solder Over Gold Plate _____