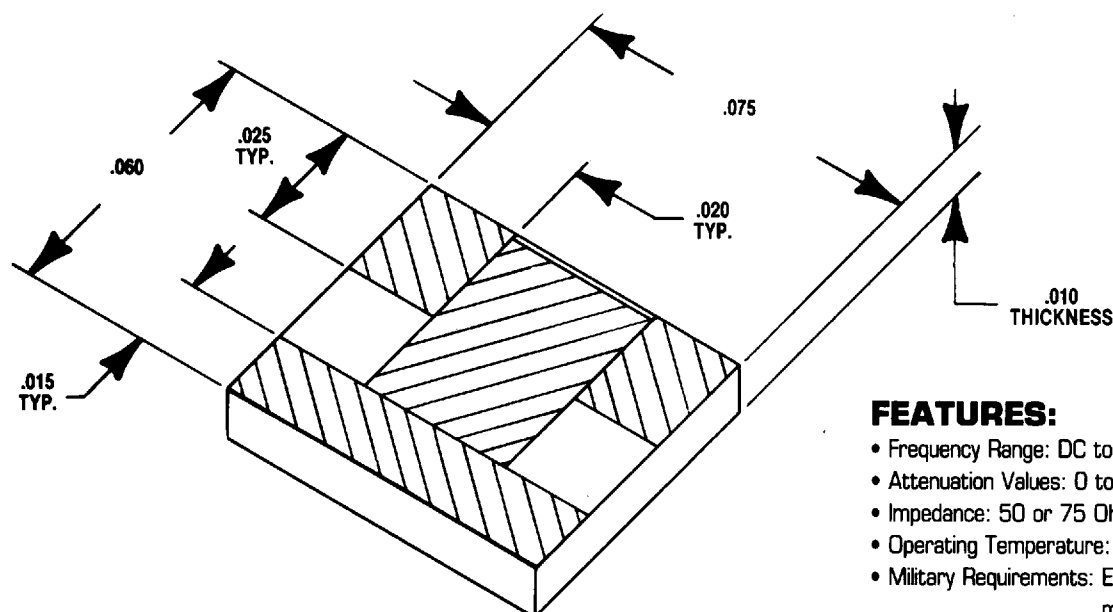


CHIP ATTENUATORS

B-03-27



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.
- 75 Ohms goes to 2 GHz.

RECOMMENDED MOUNTING METHOD

FLIPCHIP:

Use 60/40 Solder Paste or Conductive Epoxy

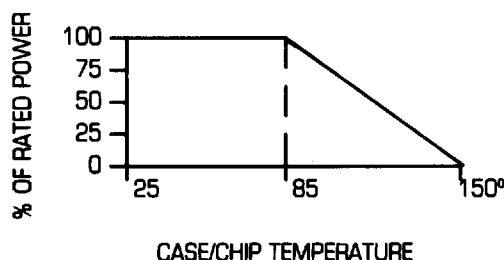
UPRIGHT:

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	±1.0	1.25	1.35	1.50	1.50
10 to 15	±.75	±0.5	+0.5 -4.0	N/A	1.25	1.35	1.50	N/A
15 to 20	±1.0	+0.5 -4.0	+1.0 -7.0	N/A	1.25	1.35	1.50	N/A

POWER DERATING



ORDERING INFORMATION

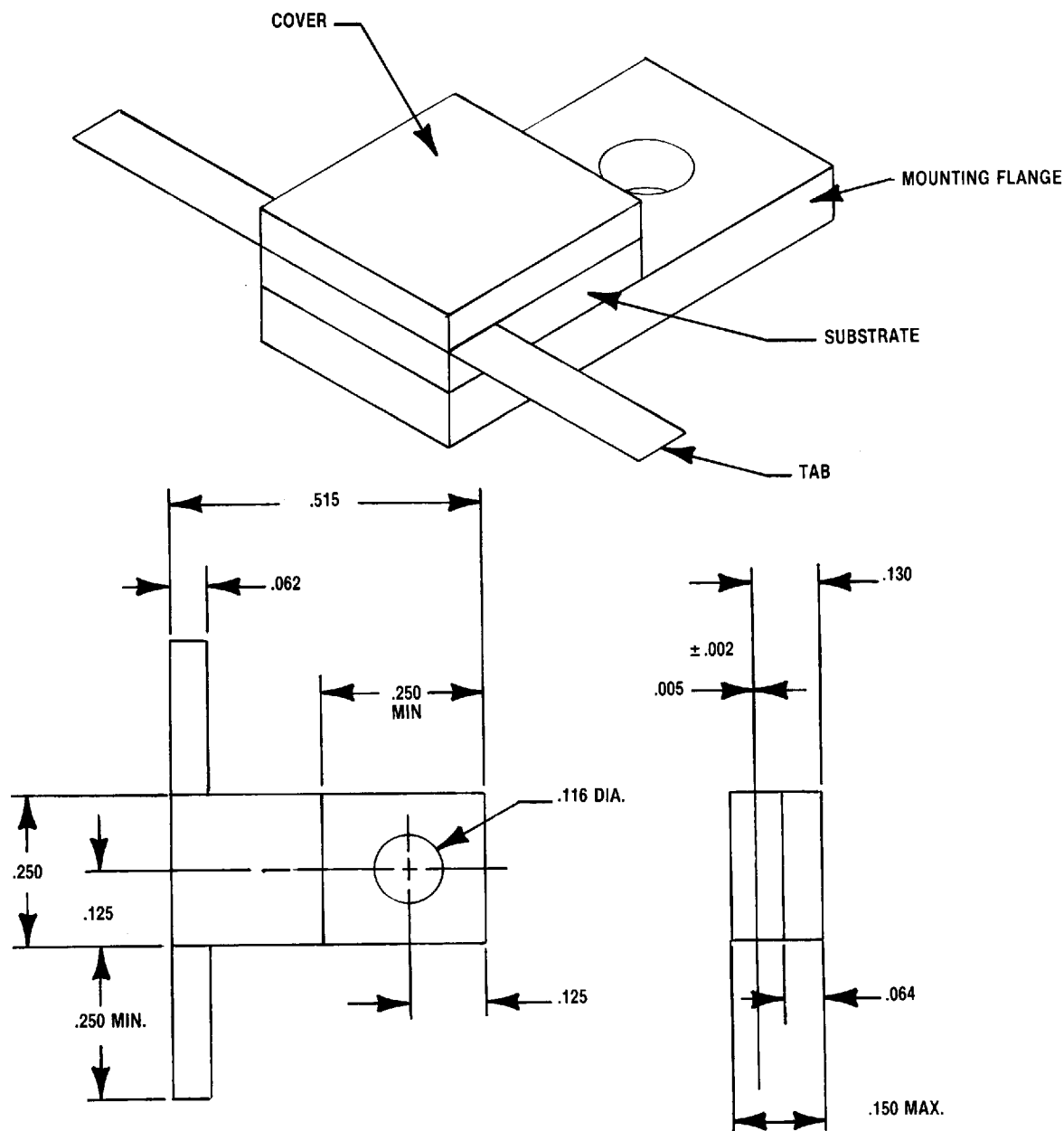
0640-12 XX T

SINGLE CHIP SERIES _____

CUSTOM ATTENUATOR _____

Db VALUE REQUIRED _____

TINNED TERMINALS 60/40
SOLDER OVER GOLD PLATE _____

HIGH POWER ATTENUATOR**DC-1.0 GHz — THIN FILM — FLANGE****ELECTRICAL PERFORMANCE**

Frequency Range: DC to 1GHz

Power: Up to 20 Watts

VSWR: 1.15:1-DC to 1GHz

MATERIAL

Resistive Element: Passivated NiCr

Mounting Flange: Copper, Nickel Plated

Tab: Beryllium Copper, Gold Plated per MIL-G-45204

CONTACT FACTORY WITH YOUR SPECIAL REQUIREMENTS