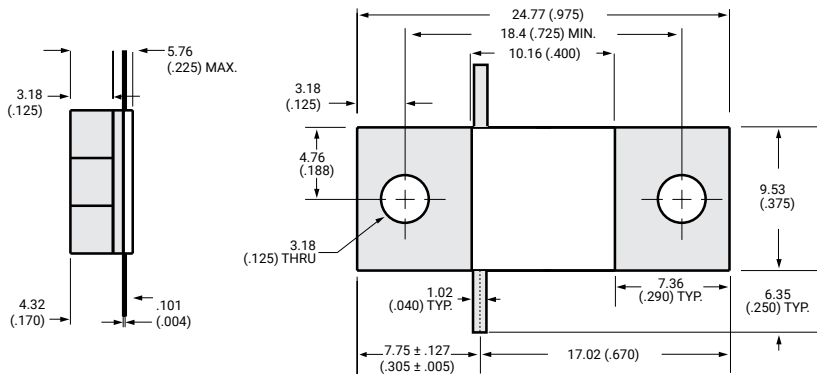
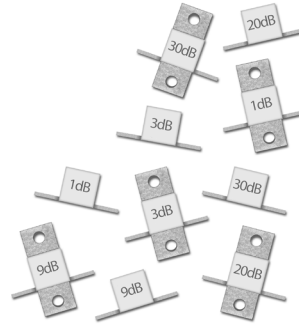


High Power Resistive Products

Flange Mount Attenuators - FA Series

GENERAL INFORMATION

- **Frequency Range:** DC to 3 GHz
- **Input Power:** 150 Watts (See Graph on Page 2)
- **Operating Temp Range:** -55 to +150°C
- **Attenuation Stability:** 0.0001 dB/dB/°C, Max.
- **Mounting Flange:** Copper, Pd over Ni; other platings available
- **Resistive Elements:** Tantalum Nitride
- **Substrate Material:** Aluminum Nitride
- **Tab:** 99.99% Pure Silver
- **Cover:** Alumina
- **RoHS Compliant**
- **Reliability:** MIL-PRF-55342



MECHANICAL TOLERANCE

± 0.010 inch unless otherwise specified

Dimensions are in mm (inches)

| Part Number | Nominal Attenuation (dB) | Frequency Sensitivity (dB, typ.) | Nominal Deviation from Attenuation Value (dB) | VSWR (typ.) |
|------------------|--------------------------|----------------------------------|---|-------------|
| FA10975P01DBFBK | 1 | ± 0.25 | +0.45 / -0.15 | 1.55:1 |
| FA10975P1R4DBFBK | 1.4 | ± 0.30 | +0.50 / -0.30 | 1.50:1 |
| FA10975P02DBFBK | 2 | ± 0.30 | +0.50 / -0.30 | 1.50:1 |
| FA10975P03DBFBK | 3 | ± 0.30 | +0.60 / -0.30 | 1.50:1 |
| FA10975P06DBFBK | 6 | ± 0.45 | +0.80 / -0.20 | 1.40:1 |
| FA10975P09DBFBK | 9 | ± 0.35 | +0.70 / -0.20 | 1.30:1 |
| FA10975P10DBFBK | 10 | ± 0.20 | +0.40 / -0.30 | 1.40:1 |
| FA10975P17DBFBK | 17 | ± 1.00 | +1.00 / -1.20 | 1.30:1 |
| FA10975P20DBFBK | 20 | ± 1.00 | +1.00 / -1.20 | 1.30:1 |
| FA10975P30DBFBK | 30 | ± 1.05 | +1.75 / -1.20 | 1.25:1 |

FA1 0975 P 01DB F BK

Case Style FA1

Case Size 0975

Termination P

Value 01DB

Nominal Attenuation in dB
Written as xxDB or xRxxDB
(Letter R denotes a decimal point)
Example:
01DB = 1dB
1R4DB = 1.4dB
17DB = 17dB

Packaging BK = Plastic Carrier

Tolerance

| Code | Tol. |
|------|------|
| F | ±1% |

Attenuator Power Handling vs. Mounting Surface Temperature

