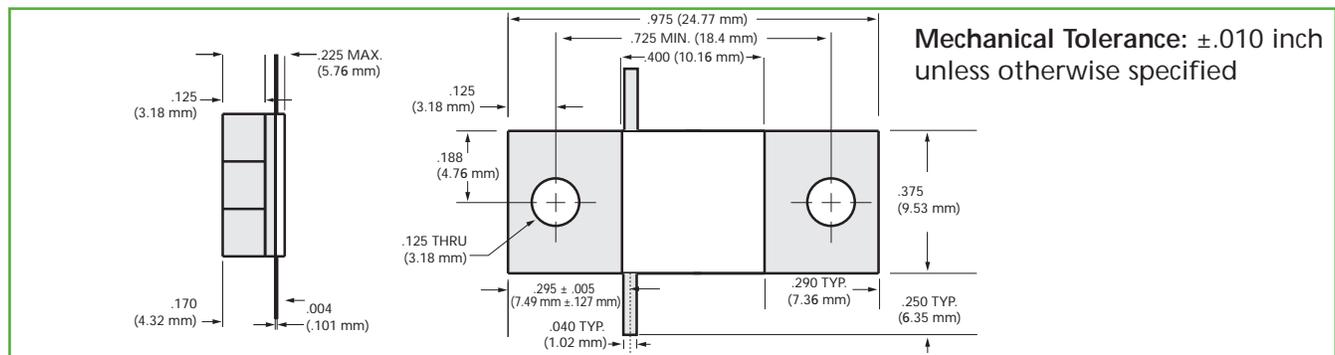


High Power Flange Mount Attenuators

Style FA1

General Specifications

- Frequency Range: DC to 3 GHz
- Input Power*: 100 Watts
- Operating Temp Range: -55 to +150°C
- Attenuation Stability***: 0.0001 dB/dB/°C, Max.
- Mounting Flange: Copper, Nickel or Silver Plated
- Resistive Elements: Tantalum Nitride
- Substrate Material: Aluminum Nitride
- Terminals: Silver
- Tabs: 99.99% Pure Silver, .004 inches thick, Cover: Alumina
- RoHS Compliant
- Reliability: MIL-PRF-55342

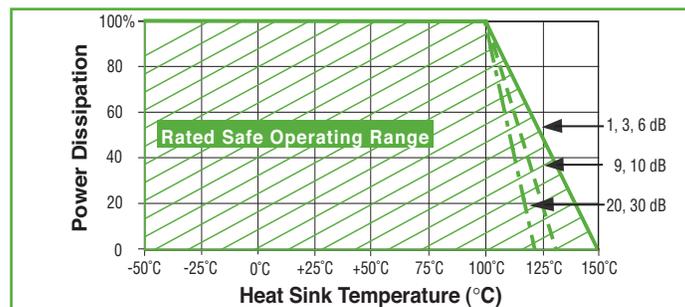


ATC Part Number	Nominal Attenuation (dB)	Frequency Sensitivity (dB, max.)	Maximum Deviation from Nominal (dB)	VSWR (max.)
FA10975N01DBFBK	1	± 0.25	+0.45 / -0.15	1.55
FA10975N03DBFBK	3	± 0.30	+0.60 / -0.30	1.50
FA10975N06DBFBK	6	± 0.45	+0.80 / -0.20	1.40
FA10975N09DBFBK	9	± 0.35	+0.70 / -0.20	1.30
FA10975N10DBFBK	10	± 0.20	+0.40 / -0.30	1.40
FA10975N20DBFBK	20	± 1.00	+1.00 / -1.20	1.30
FA10975N30DBFBK	30	± 1.05	+1.75 / -1.20	1.25

* Test Condition: Flange attached to a large copper carrier whose surface, directly under the flange center, is at 100°C; maximum rated power applied. Specification: The attenuation shall change no more than 0.2 dB during and after a 100-hr. Burn-in per Mil-PRF-55342.

** Attenuation vs. frequency as a function of temperature, -55°C to +125°C

Power Derating



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Excerpt from ATC # 001-944; Rev J, 1/09

A M E R I C A N T E C H N I C A L C E R A M I C S

ATC North America
631-622-4700 • sales@atceramics.com

ATC Europe
+46 8 6800410 • sales@atceramics-europe.com

ATC Asia
+86-755-8366-4318 • sales@atceramics-asia.com

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