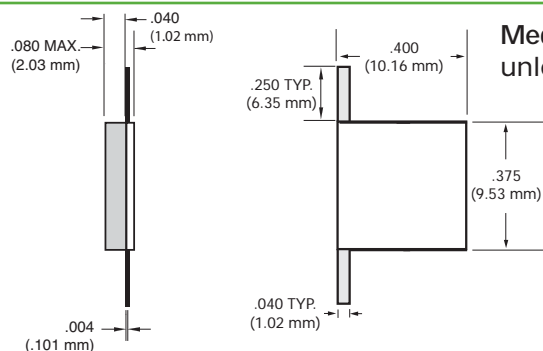


## High Power Leaded Chip Attenuators

### Style LA1

#### General Specifications

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

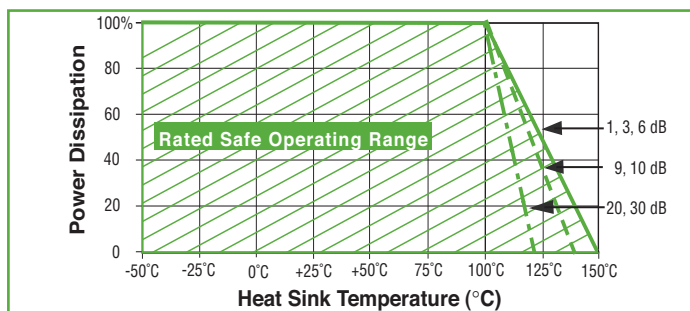


| ATC Part Number | Nominal Attenuation (dB) | Frequency Sensitivity (dB, max.) | Maximum Deviation from Nominal (dB) | VSWR (max.) |
|-----------------|--------------------------|----------------------------------|-------------------------------------|-------------|
| LA13740P01DBFBK | 1                        | ± 0.20                           | +0.45 / -0.15                       | 1.55        |
| LA13740P03DBFBK | 3                        | ± 0.30                           | 0.60 / -0.30                        | 1.50        |
| LA13740P06DBFBK | 6                        | ± 0.30                           | +0.60 / -0.20                       | 1.30        |
| LA13740P09DBFBK | 9                        | ± 0.30                           | +0.60 / -0.20                       | 1.30        |
| LA13740P10DBFBK | 10                       | ± 0.20                           | +0.40 / -0.30                       | 1.25        |
| LA13740P20DBFBK | 20                       | ± 1.00                           | +1.00 / -1.20                       | 1.25        |
| LA13740P30DBFBK | 30                       | ± 1.05                           | +1.75 / -1.20                       | 1.25        |

\* Test Condition: Chip attached to a large copper carrier whose surface, directly under the chip center, is held 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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