



Features:

- RoHS Compliant
- 16 Watts
- DC 4.0 GHz
- Al₂O₃ Ceramic
- Non-Nichrome Resistive
 Element
- Low VSWR
- 100% Tested
- Small Size

Outline Drawing

Description

The A16A50X4 is high performance Alumina (Al₂O₃) chip termination intended as a low cost alternative to Beryllium Oxide (BeO) and Aluminum Nitride (AIN). The termination is well suited to all cellular frequency bands such as; AMPS, GSM, DCS, PCS, PHS and UMTS. The medium power handling makes the part ideal for terminating circulators and for use in power combiners. The termination is also RoHS compliant!

General Specifications

Resistive Element	Thick film
Substrate	Al ₂ O ₃ Ceramic
Terminal Finish	Matte Tin over Nickel Barrier
Operating Temperature	-55 to +150°C (see de-rating chart)

Tolerance is ± 0.010 ", unless otherwise specified. Designed to meet of exceed applicable portions of MIL-E-5400. **All dimensions in inches.**

Electrical Specifications

Resistance Value:	50 Ohms, ± 2%
Power:	16 Watts
Frequency Range:	DC – 4.0 GHz
	> 28 dB to 2.2 GHz
Return Loss	> 25 dB to 2.7 GHz
	> 20 dB to 4.0 GHz

Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance. **Specifications subject to change.**







Available on Tape and Reel For Pick and Place Manufacturing. USA/Canada: (3⁻ Toll Free: (800 Europe: +44

(315) 432-8909 (800) 544-2414 +44 2392-232392

Model A16A50X4





Typical Performance:





Power De-rating:

Tape & Reel:



Mounting Footprint and Procedure:



USA/Canada: Toll Free: Europe: (315) 432-8909 (800) 544-2414 +44 2392-232392

Available on Tape and Reel For Pick and Place Manufacturing.

