

General Specifications

Resistive Element:	Thick film
Substrate:	Alumina ceramic
Lead(s):	99.99% pure silver (.005" thk)
Resistance Value:	50 ohm, ±2%

Notes: Tolerance is ±.010, unless otherwise specified. Operating temperature is -55°C to +125°C (see chart). Designed to meet or exceed applicable portions of MIL-E-5400. All dimensions are in inches. Lead length 0.15" minimum.

Specifications subject to change without notice.

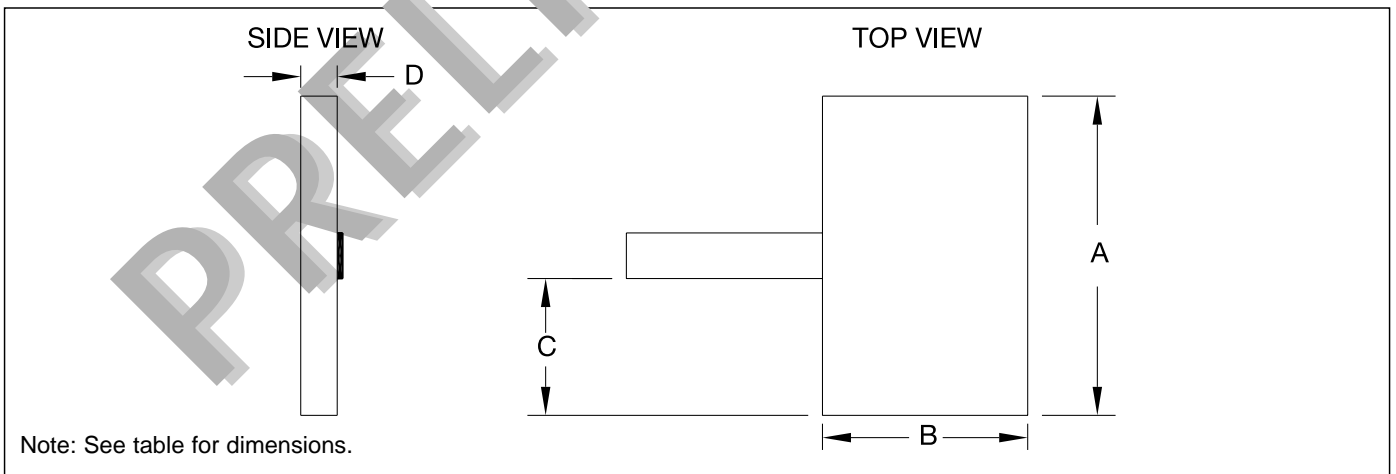
Features

- DC - 6.0 GHz
- 20-40 Watts
- Low Cost
- Alumina Ceramic
- Non-Nichrome Resistive Element
- 100% Tested

Dimensions

PART NUMBER	A	B	C	D
RFP-20A50T	0.100	0.200	0.025	0.025
RFP-30A50TPP	0.250	0.250	0.100	0.040
RFP-40A50TEN	0.250	0.375	0.100	0.040
RFP-40A50TB	0.375	0.250	0.162	0.040
RFP-40A50TD	0.375	0.375	0.162	0.040

Outline Drawing



Alumina Terminations

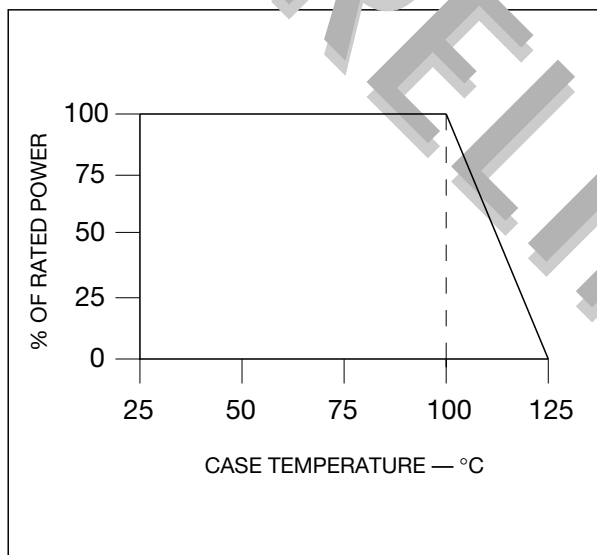
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RF Power

Typical Performance

PART NUMBER	VALUE (OHM)	POWER (WATTS)	MAX VSWR	FREQ. (GHz)
RFP-20A50T	50	20	1.25:1	6.0
RFP-30A50TPP	50	30	1.25:1	3.0
RFP-40A50TEN	50	40	1.25:1	3.0
RFP-40A50TB	50	40	1.20:1	2.5
RFP-40A50TD	50	40	1.20:1	2.5

Power Derating



Suggested Mounting Procedures

1. Make sure that the devices are mounted on flat surfaces (.001" under the device) to optimize the heat transfer.
2. Position device on mounting surface and solder in place using an indalloy type or an SN63 type solder.
3. Solder leads in place using an SN63 type solder with a controlled temperature iron (210°C).