

DC-12.4 GHz, UP TO 200 WATTS

- Flange Mounted or Chip
- 10 to 200 Watts
- 1 to 20 dB

The KDI/Triangle PPA Series of attenuators utilize a Beryllium oxide chip and thin film technology to provide devices which can dissipate up to 200 watts of R.F. power. The PPA Model series must be thermally bonded to a heat sink, using the mounting holes provided, in order to operate within the temperature rating indicated. The flange temperatures must not exceed 100°C under rated power conditions.

Impedance:	50 ohms
Operating Temperature:	-55°C to + 150°C
	Exceeds applicable requirements of MIL-E-5400 and MIL-R-55342
Attenuation Stability:	0.0001 dB/dB/°C
Substrate:	Beryllium Oxide Ceramic
Resistive Element:	Proprietary Thin Film
Flange:	Copper, Nickel Plated per QQ-N-290
Tabs:	Beryllium Copper, Gold Plated per MIL-G-45204
Cover:	Alumina Ceramic
Note:	Unless otherwise specified all tolerances $\pm .010$.

PPA-50 outline 50 watts

The Power Attenuators listed are available in 1 dB increments from 1 thru 20 dB. When ordering, to specify the correct part number for the desired attenuation value, select any of the series listed and add the attenuation value desired to the basic series designation.

EXAMPLE:

Basic Series PPA-20-10 Power Desired dB Value

PPA PAC

Model Series					Attenuation Accuracy (dB)				VSWR (Max.)*
With Flange	Without Metal Flange	Attenuation ⁽¹⁾ 1 dB Increments (dB)	Frequency ⁽¹⁾ Range	Input Power (Watts)	dB	DC-4 GHz	4-8 GHz	8-12.4 GHz	
PPA-10	PAC-10	1-20	DC-12.4 GHz	10	1-10 11-20	± 0.5 ± 1.0	± 0.5 ± 2.0	± 1.0	DC-4—1.3 Max. 4-12.4—1.6 Max.
PPA-20	PAC-20	1-20	DC-4 GHz	20	1-5	± 0.5	± 0.5	± 0.5	1.15:1—DC-1.0 GHz 1.35:1—1.0-2.5 GHz 1.50:1—2.5-4.0 GHz
					6-9	± 0.5	± 0.5	± 1.0	
					10-15	± 0.75	± 1.0	± 1.5	
					16-20	± 1.0	± 2.0	± 3.0	
PPA-50	PAC-50	1-20	DC-1 GHz	50		± 0.3 DC-500 MHz ± 0.5 500 MHz-1 GHz			1.5:1—DC-500 MHz 1.20:1—500 MHz-1 GHz
PPA-100	PAC-100	1-20	DC-500 MHz	100		± 0.5			1.25:1—DC-200 MHz 1.50:1—200-500 MHz
PPA-200	PAC-200	1-20	DC-200 MHz	200		± 0.5			1.25:1—DC-200 MHz

Note 1: Custom products are available at higher frequencies with optimized VSWR and attenuation accuracy over narrow frequency bandwidths.



PPA-100 outline 100 watts