Attenuator, Chip

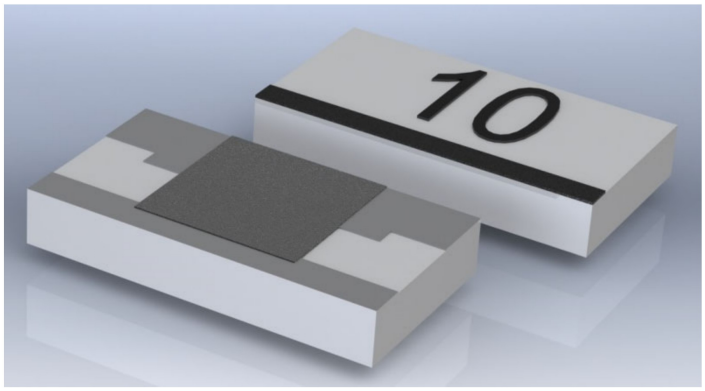
Model 40PCA3060

Frequency Range: DC to 40.0 GHz
Power: 1 Watt

Features

- Surface Mount (Drop-in or Bond and Wire)
- Thin Film Resistor
- High-frequency Performance

40PCA3060 Attenuators are designed to reduce the signal power uniformly at different frequencies, temperatures and power levels. These surface mount attenuators can be used in amplifier circuits, receivers, up/down converters, phase-matched arrays and switching networks. 40PCA3060 series are available with tinned lead-free solder terminals as standard, or with tinned tin-lead solder and gold as other finish options. Other dB values, frequency range, and finish options may be available upon request.



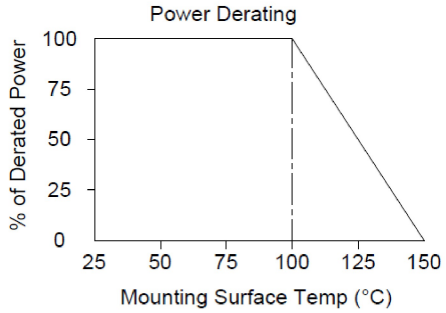
Technical Specifications

Parameter		Value
Frequency Range		DC to 40 GHz
Standard dB Values		0 thru 10, 12, 15 & 20 dB *(in 1dB Increments)*
Atten. Accuracy (dB)		
dB Value	Atten (Freq)	Tol(Freq)/vs Nom Atten(freq)/
1 - 6	dB+0.025*f_GHz	± (1.0)
9	dB+0.025*f_GHz	± (1.0)
10 - 12	dB	± (0.5+0.013*f_GHz)
15 - 20	dB-0.025*f_GHz	± (1.0+0.025*f_GHz)
Impedance		50 Ohms
Power Handling*		1 Watt Avg Max. Derated Linearly to 0 Watts @150°C Max
VSWR	DC - 10 GHz	1.20:1 Max.
	10 - 23 GHz	1.30:1 Max.
	23 – 40 GHz	1.50:1 Max.
Operating Temp. Range		-55°C to +150°C

***Other dB values available.**
****When temperature of mounting pads < 100°C.**

Material

Feature	Material
Substrate	Alumina
Resistor Material	Proprietary Thin Film
Finish	Lead Free Solder (Standard) ***See "How to order" for tinning & other finish options***



How to Order

40PCA3060 - T XX

Basic Model #	**Terminal Options**	**dB Value**
	H = Lead Free Solder	3 = 3dB
	T = Tin Lead Solder	10 = 10dB
	G = Gold	

sales@am.spectrumcontrol.com
Approved for Release: December 2024/Brown
Spectrum Control reserves the right to make changes to datasheets at any time without notice.

Attenuator, Chip

Model 40PCA3060

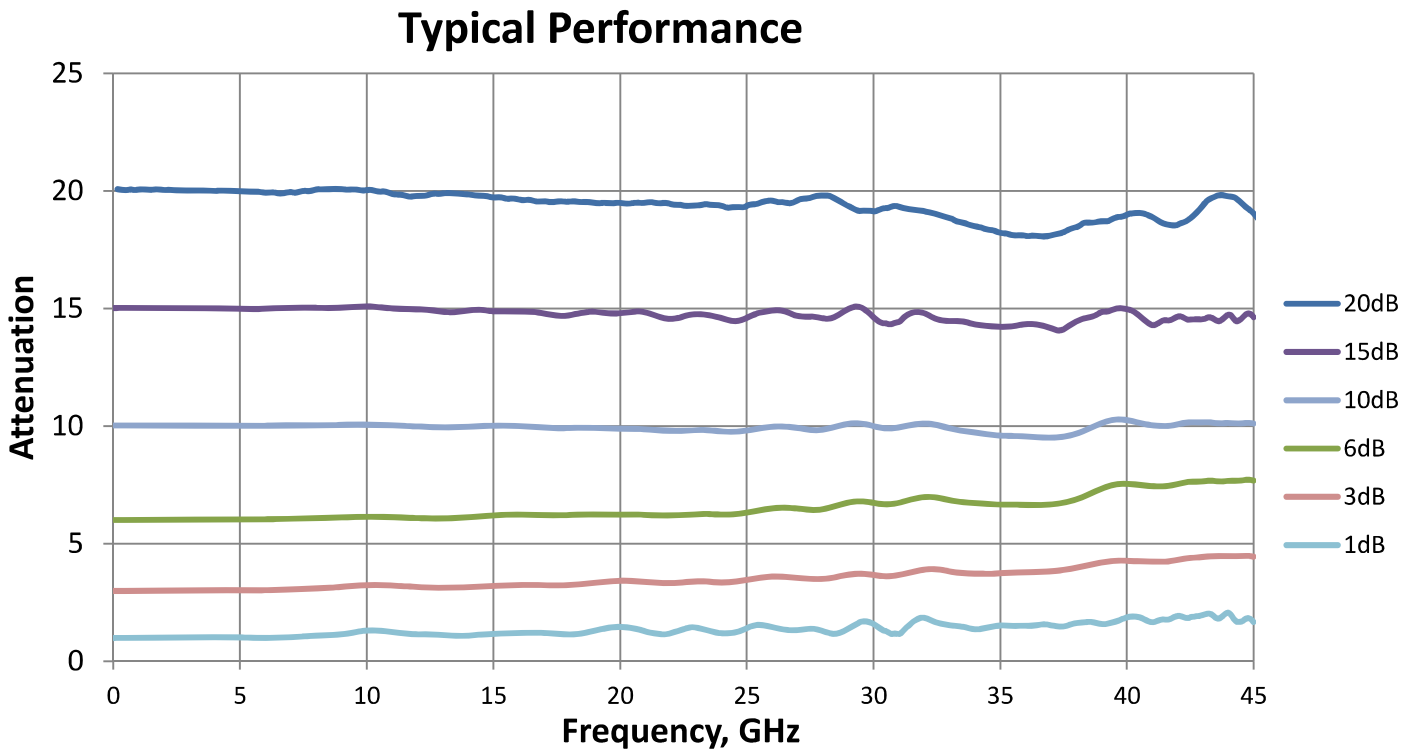
Frequency Range: DC to 40.0 GHz
Power: 1 Watt

Order Examples

Model Number: 40PCA3060-H6
Lead Free Solder, 6dB

Model Number: 40PCA3060-T3
Tin Lead Solder, 3dB

Performance Characteristics



Attenuator, Chip

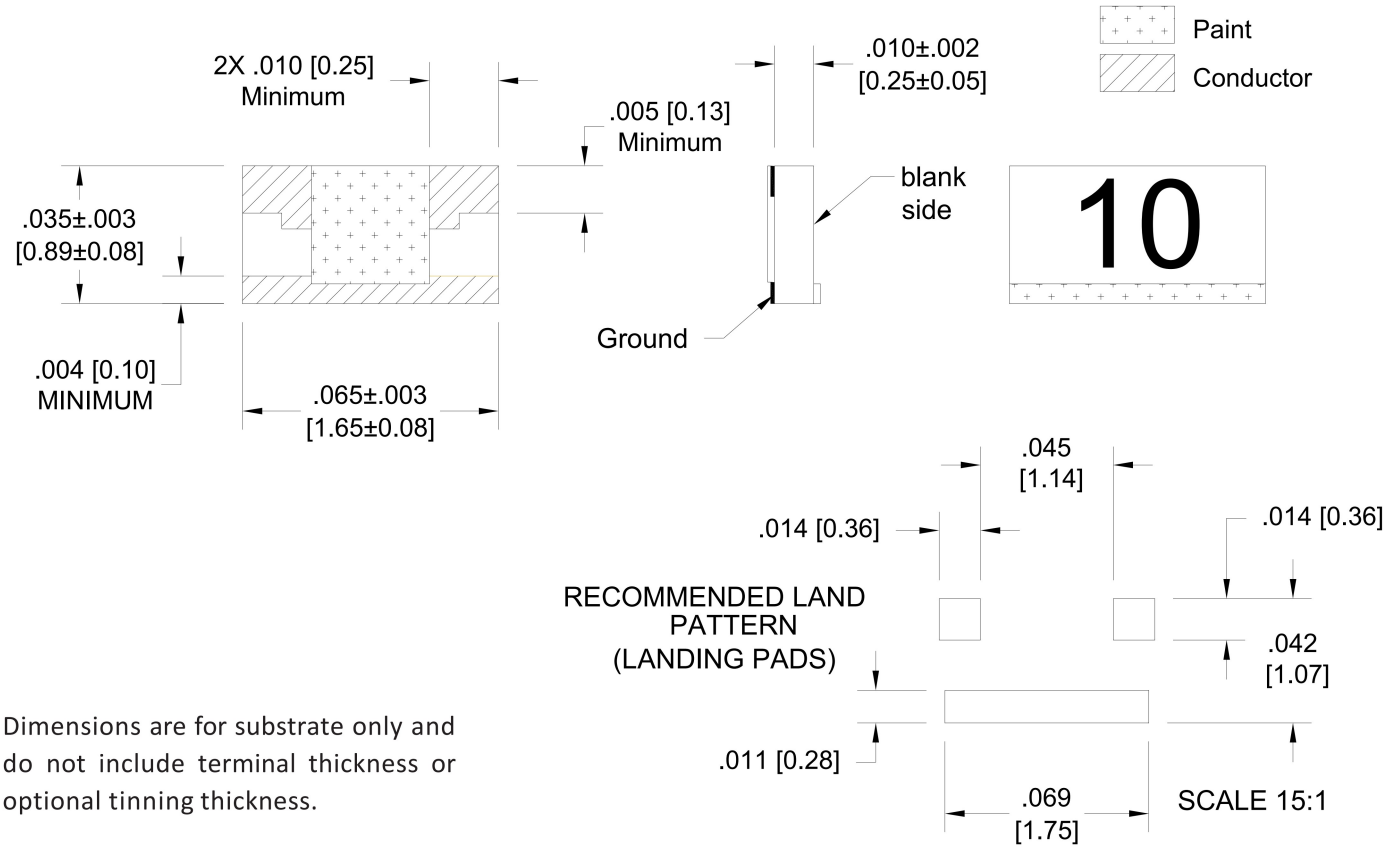
Model 40PCA3060

Frequency Range: DC to 40.0 GHz
Power: 1 Watt

Physical Dimensions

Model Number: 40PCA3060-H10 shown

Tolerance: .XXX" = ±.005"



Dimensions are for substrate only and do not include terminal thickness or optional tinning thickness.

NOTE: Dimensions in Brackets [ ] are expressed in Millimeters and are for reference only.