

# IAX Series Surface Mount Thick Film Attenuator

IAX Series surface mount thick film attenuators are compact, high performance devices especially suited to RF and microwave applications. For bondable terminations, other substrate thicknesses or other sizes and power levels, consult the factory.

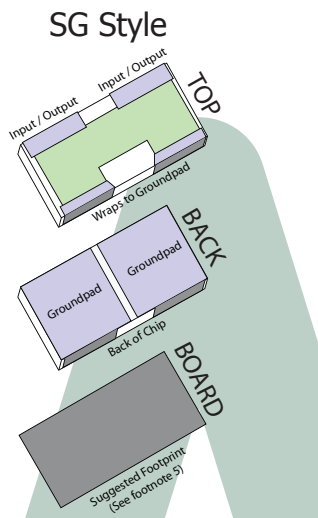
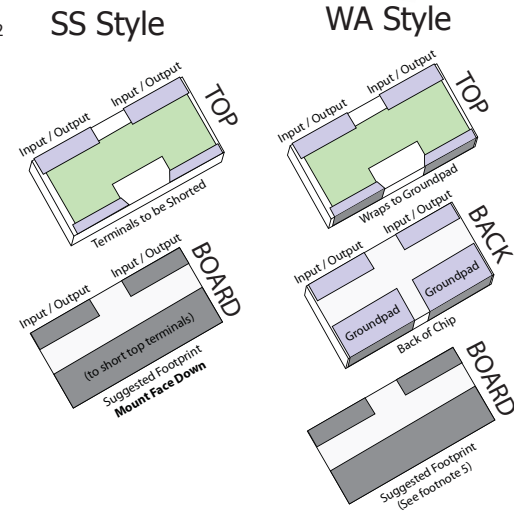
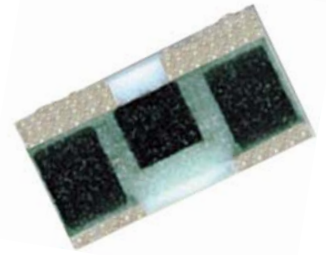
Other case sizes and values are available upon request<sup>1</sup> and are often delivered in half the lead times of most competitors.

## IAX Series

Case	Dimensions	Power Rating <sup>2</sup>
<b>0706</b>	0.075" x 0.060" x 0.020" Max	300mW
<b>0805</b>	0.080" x 0.050" x 0.020" Max	400mW
<b>1206</b>	0.126" x 0.063" x 0.020" Max	1W
<b>2010</b>	0.197" x 0.097" x 0.028" Max	3W
<b>2512</b>	0.248" x 0.126" x 0.028" Max	5W
<b>3725</b>	0.375" x 0.250" x 0.028" Max	15W

## IAX Series Specifications

Impedance:	50Ω Nominal
VSWR (Max) <sup>3</sup> :	1.3:1 up to 18 GHz
DC Attenuation Stability:	.0001dB/ dB/ deg. C <sup>4</sup>
Operating Temperature:	-55 deg. C. to 150 deg. C.
Attachment:	Solder or Epoxy
Architecture:	Thick Film on 96% Alumina (Al <sub>2</sub> O <sub>3</sub> )



### Attenuation Accuracy (DC)

Increment (dB)	Accuracy
1 - 3	+/- 0.2dB
4 - 13	+/- 0.3dB
13 - 70	+/- 0.5dB

SAMPLE P/N: IA3-1206SG02D5

Prefix for attenuators screened on Alumina

Termination Metallization:  
-3 PtAg  
-C PtAg w/ Solder

Case Size:  
0706 1206 2512  
0805 2010 3725

dB Increment (D0 denotes whole value)  
-OR-  
(D5 denotes whole value + .5dB available up to 16.5dB)

dB Whole Value (00-70)

Termination Style:  
-SG Single Wrap to Groundplane  
-WA Wraparound  
-SS Single Sided (0706 ONLY)

- 1 Consult factory
- 2 With 100 deg. C baseplate
- 3 Mounted in a matched continuous 50 ohm system
- 4 Based on TCR and resistor tolerance at DC
- 5 Groundpads must be shorted during assembly

To  
**70dB**

To  
**0.2dB**  
Accuracy

To  
**15W**  
Input Power

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