

A-0805



Features

Thin film technology

Full Wraparound

Nickel Barrier for
excellent solderability

Attenuation from 0 dB to
10 dB in 1 dB increments

VSWR 1.3:1 max.

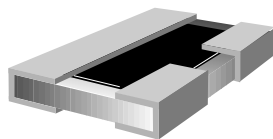
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Thin Film Surface Mount Chip Attenuator

The **ims** A-0805 thin film surface mount chip attenuator is ideal for applications requiring precision attenuation in a small form factor package. The attenuator is provided in the "π" configuration. Thin film technology insures a low noise, precise attenuator at a very affordable price. The wraparound terminations include a nickel barrier layer which affords excellent solderability and mechanical integrity. This chip attenuator has the following features:

- Precision thin film attenuator element
- 99.5% Al_2O_3 substrate material
- Nickel barrier layer for excellent solderability and mechanical integrity
- Ultra low noise attenuator element
- Usable beyond 10 GHz (consult factory for use at higher frequencies)
- Low inductance and parasitic capacitance
- Stable characteristics over temperature and time
- Polyimide passivation of attenuator element
- Available in bulk or on tape and reel

Terminations



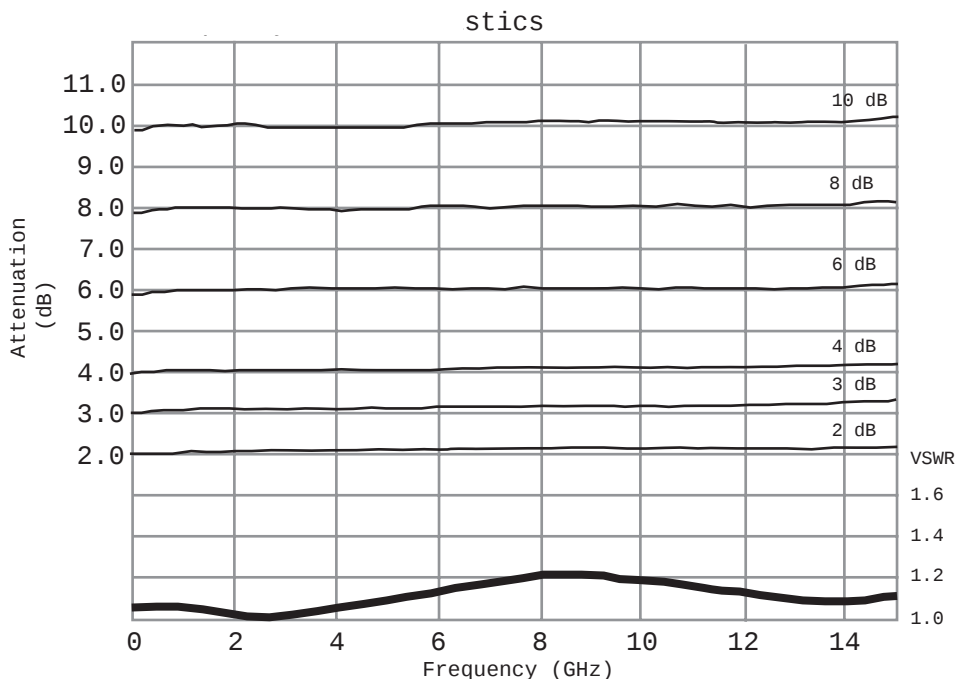
Full wraparound termination

Solder plated nickel barrier

Attenuation Ranges

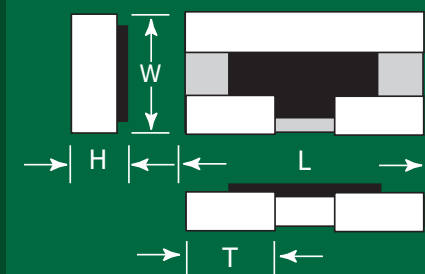
The A-0805 is available in values from 0dB to 10 dB in 1 dB increments. The tolerance for these devices is ± 0.3 dB.

Frequency Characteristics



Dimensions

Part Number	Length	Width	Height	Terminal
A-0805	0.079 ± .008	0.049 ± .008	0.020 max.	0.024 ± .010



Characteristics

Operating Temperature	-55°C to +125°C
Impedance	50 Ω
Frequency range	DC to beyond 10 GHz
VSWR	1.3:1 maximum
Attenuation	0; 1; 2; 3; 4; 5; 6; 7; 8; 9; 10 dB
Attenuation tolerance	± 0.3 dB

Specifications

Maximum Working Voltage	2.24 V
Rated power (70°C)	100 mW

Ordering Information

Example: 3 dB, 100 mW, surface mount 0805 attenuator.

A	-0805	- C	-03DB
Attenuator			Attenuation level 00, 01, 02, 03, 04, 05, 06, 07, 08, 09, or 10 dB
Form factor			Impedance
0805			50Ω

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