

A-Series

ims

Thin Film Surface Mount Chip Attenuator

Features

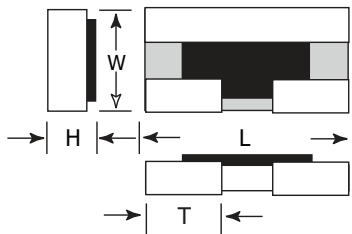
- 99.5% Al₂O₃ substrate material
- Nickel barrier layer for excellent solderability and mechanical integrity
- Ultra low noise attenuator element
- Excellent high frequency performance
- Low inductance and parasitic capacitance
- Stable characteristics over temperature and time
- Polyimide passivation of attenuator element
- Available in bulk or on tape and reel
- 100% matte tin finish



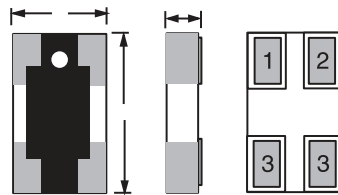
Thin Film

Part Number	Length	Width	Height	Terminal	Rated Power (70°C)	Impedance
A-0402WA & IMS2652	0.039 ± .004	0.020 ± .004	0.014 max.	0.009 ± .002	32 mW	50 Ω
A-0603 & IMS2533	0.063 ± .004	0.032 ± .004	0.020 max.	0.016 ± .006	63 mW	50 Ω
A-0805 & IMS1141	0.079 ± .008	0.049 ± .008	0.020 max.	0.020 ± .008	100 mW	50 Ω
A-1206	0.126 ± .008	0.063 ± .008	0.020 max.	0.039 ± .010	125 mW	50 Ω

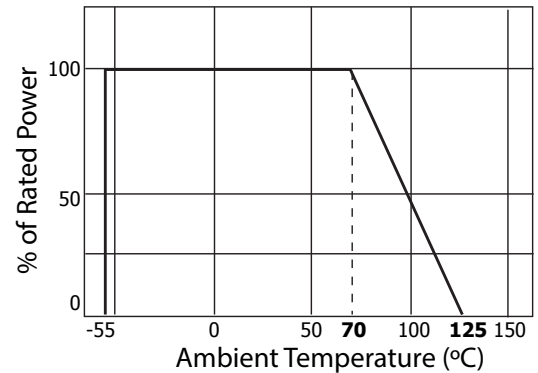
Dimensional Outline



A-0603, A-0805, A-1206
IMS1141, IMS2533



A-0402WA



Item	Specification
Operating Temperature	-55° to 125°C
VSWR	1.3:1 maximum (except A-0402WA = 1.5:1)
Attenuation	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 16* dB
Attenuation tolerance	
A-0402WA & IMS2652	±0.3 dB (0-3 dB) ±0.5 dB (4-7 dB) ±1.0 dB (8-10 dB)
A-0603 & IMS2533	±0.3 dB (0-3 dB) ±0.5 dB (4-7 dB) ±1.0 dB (8-10 dB)
A-0805 & IMS1141	±0.3 dB (0-10 dB)
A-1206	±0.3 dB (0-10 dB) ±0.5 dB (16 dB)

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