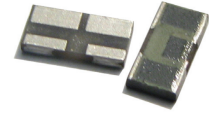


DIMENSIONS & POWER RATING

Part	Length x Width	Height	5dB ΔT of 50°C	5dB ΔT of 100°C	20dB ΔT of 50°C	20dB ΔT of 100°C
VGX-2010	0.197" x 0.097"	0.035" Max.	45W	90W	35W	70W
VGX-2512	0.248" x 0.125"	0.035" Max.	105W	210W	65W	125W
VGX-3725	0.375" x 0.250"	0.035" Max.	175W	350W	180W	360W
VDX-2010	0.197" x 0.097"	0.020" Max.	80W	155W	60W	120W
VDX-2512	0.248" x 0.125"	0.020" Max.	175W	345W	105W	205W
VDX-3725	0.375" x 0.250"	0.020" Max.	290W	590W	300W	600W



Attenuation Accuracy

Increment	Accuracy
< 3dB	+/- 0.2dB
3.5 - 13dB	+/- 0.3dB
13.5 - 30dB	+/- 0.5dB

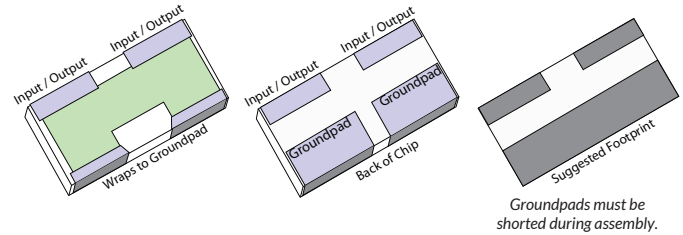
Modelithics simulated part (VDR-3725SG)

ITEM	SPECIFICATION
Value Range:	0dB, 1dB to 30dB
Standard Impedance:	50Ω Nominal
VSWR (Max)-G 0.025 ¹	2010 - 1.4:1 up to 6.5GHz 2512 - 1.6:1 up to 3.7GHz 3725 - 1.6:1 up to 1.5GHz
VSWR (Max)-D 0.0151 <i>(Simulated pending final test)</i>	2010 - 1.4:1 up to 4.0GHz 2512 - 1.6:1 up to 1.7GHz 3725 - 1.6:1 up to 1.0GHz
DC Attenuation Stability: ²	.001 dB/ dB/ °C
Operating Temperature: ³	-55°C to 150°C
Architecture:	Thick Film on Aluminum Nitride
Attachment:	Solder and Epoxy

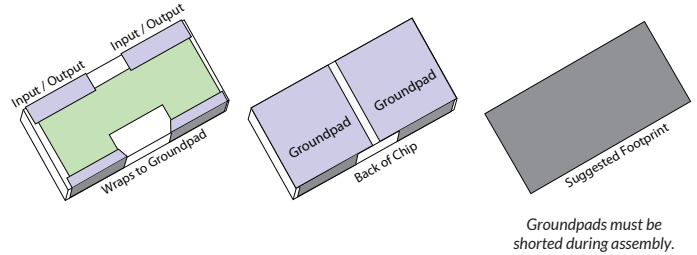
1. Mounted in a matched continuous, 50Ω microstrip system. 2. Based on TCR and resistor tolerance at DC.
3. Based on a max power, max film temp. of 150°C and baseplate temp. of 100°C.
Consult the factory for other impedances, values, substrate thicknesses, sizes or power levels.

Terminal Styles

WA - Full Wraparound



SG - Single Wrap to Ground



ORDERING INFORMATION

Prefix for AIN attenuators

Substrate Thickness
D - 0.015" G - 0.025"

Termination Material

- 3 PtAg
- 7 Au over PtAu (input) PtAu (ground)
- 8 PtAg ULR
 - C PtAg w/ Sn62 Solder
 - H PtAg w/ Sn62 Solder ULR
 - R PtAg w/ Sn96 Solder ULR

dB Value
ex: 03D5=3.5dB
Half dB available 1-17 dB range
ex: 14D0=14.0dB
Whole dB available 0-30dB range

Termination Style
WA - Wraparound
SG - Single Wrap to Ground

Part
2010 2512 3725

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FREE TRIAL

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www.modelithics.com/mvp/ims

Packaging: B=Bulk, T=Tape and Reel, W=Waffle
RoHS Compliant =
ULR = Ultra Leach Resistant

ULR HI PWR RoHS
Sn62 NON-MAG BONDABLE

Modelithics simulated part (VDR-3725SG)