

V Series

Surface Mount Thick Film Attenuator on A/N

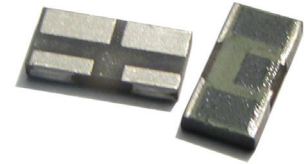
Part Number	Length x Width	Height	Power Rating ¹
VGX-2010	0.197" x 0.097"	0.035" Max.	20W
VGX-3725	0.375" x 0.250"	0.035" Max.	90W

Item	Specification
Value Range:	0dB, 1dB to 30dB
Standard Impedance:	50Ω Nominal
VSWR (Max):	2010 - 1.4:1 up to 7 GHz ² 3725 - 1.6:1 up to 4.5 GHz ²
DC Attenuation Stability:	.001 dB/ dB/ deg. C ³
Operating Temperature:	-55 deg. C to 150 deg. C
Nominal Thermal Resistance: ⁴	~2.5°C/W (2010), ~0.6°C/W (3725)
Architecture:	Thick Film on Aluminum Nitride
Attachment:	Solder and Epoxy

For other impedances, values, substrate thicknesses, sizes or power levels, consult the factory.

Attenuation Accuracy

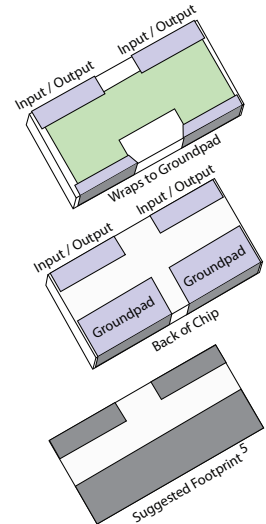
Increment (dB)	Accuracy
1, 1 -3	+/- 0.2dB
3.5 - 13	+/- 0.3dB
13.5 - 30	+/- 0.5dB



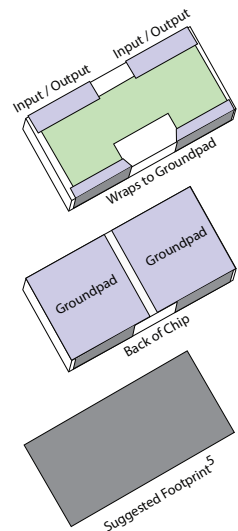
Non-Magnetic

Thick Film

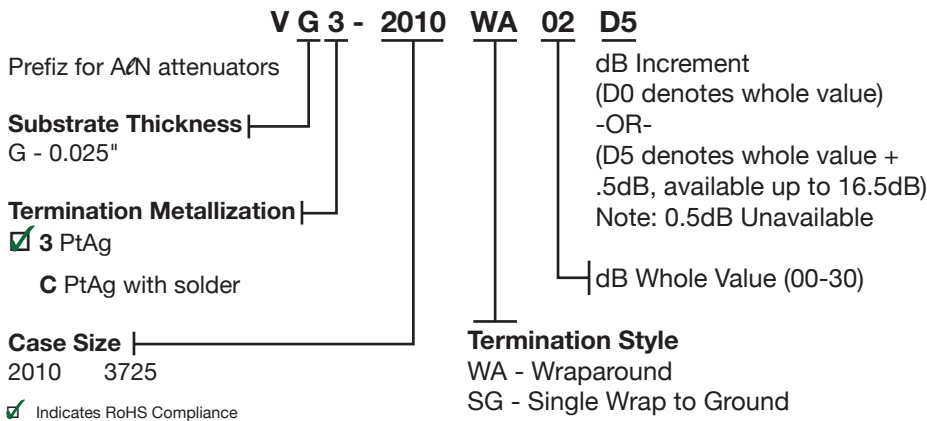
WA Style



SG Style



Ordering Information



- 1 Baseplate maintained at or below 100°C
- 2 Mounted in a matched continuous, 50Ω microstrip system
- 3 Based on TCR and resistor tolerance at DC
- 4 Based on a max power, max film temp. of 150°C and baseplate temp. of 100°C
- 5 Groundpads must be shorted during assembly

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