ATTENUATEUR CONTROLE EN TENSION

VCA Series

Features

- ✓ Low Insertion Loss
- ✓ Broad Band Performance
- ✓ Guarantee Monotonic
- ✓ Low Cost & High Reliability
- ✓ Customized Frequency Band & Interface
- ✓ Logic to specific requirement

Options

- ✓ Digital control

Descriptions

Jersey Microwave's Voltage Control Attenuators operate in the frequency range of 6 to 18 GHz, providing a minimum of 80 dB attenuation with the control voltage from 0 to 8 VDC, and a typical tuning range of 1V/10dB. The module is guaranteed monotonic over the attenuation range. The maximum insertion loss is 3.25 dB and the maximum VSWR is 2.0:1 at any attenuation setting. The unit operates at +15 VDC @35 ma & -15 VDC @10 ma, over the temperature range of –40° C to +80° C. Unit size is 2.0 x 2.0 x 0.8 inches.

Electrical Specifications

Model Number	Frequency Range (GHz)	Insertion Loss (dB) Max.	VSWR Max.	Attenuation Range (dB)	Attenuation Accuracy vs. Frequency	
					Flatness	Attenuation
VCA-0608-80	6.0 - 8.0	1.5	1.5:1	80	+/-0.30 dB	0 - 20dB
					+/-0.70 dB	20 - 40dB
					+/-1.50 dB	40 – 60 dB
					+/-2.50 dB	60 – 80 dB
VCA-0810-80	8.5-10.5	2.25	1.8:1	80	+/-0.35 dB	0 – 20 dB
					+/-0.40 dB	20 – 40 dB
					+/-0.75 dB	40 – 60 dB
					+/-2.25 dB	60 – 80 dB
VCA-0612-80	6.0-12.0	2.8	1.8:1	80	+/-0.75 dB	0 – 20 dB
					+/-1.20 dB	20 – 40 dB
					+/-1.75 dB	40 – 60 dB
					+/-2.25 dB	60 – 80 dB
VCA-0618-80	6.0-18.0	3.25	2.0:1	80	+/-1.50 dB	0 – 20 dB
					+/-2.00 dB	20 – 40 dB
					+/-2.50 dB	40 – 60 dB
					+/-3.25 dB	60 – 80 dB

Note: Specifications are subject to change without notice

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