

Continuously Variable - Flat with Frequency Types

Specifications

Frequency Ranges: 800 MHz - 12.4 GHz as noted

Attenuation Range: 0 - 30 dB as noted

Flatness: see table

Impedance: 50 Ohms

VSWR: 1.50 max

Insertion Loss: 0.5 dB max

Power: 5 Watts average

Peak Power: 3 Kilowatts Peak

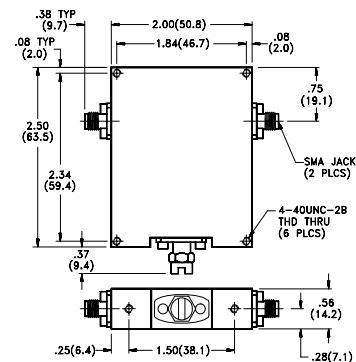
Operating Temperature Range: -65 to +125C

Resetability: 0.1 dB max

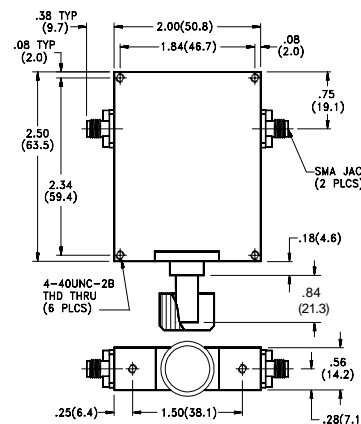
Finish: Connectors are Passivated Stainless Steel
Housings are Irridited Aluminum



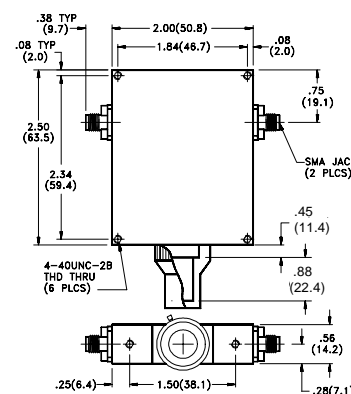
Midwest Microwave's series of Miniature Continuously Variable Attenuators were designed to meet the most stringent environmental conditions. The Flat with Frequency Types are useful for applications where a specific level of attenuation is required over a frequency band and reasonable attenuation flatness over the frequency band is necessary. The units are available in a Standard simple locking type configuration, a Panel mount type with a knob, or a Turns-counting dial type, also panel mounted, for reference setting or if calibration is desired. SMA connector configurations are standard, however Type N or TNC connector configurations are also available (see note below).



S = Standard Locking Nut Type



P = Panel Mounting Type



T = Turns Counting Panel Mounting Type

Flat with Frequency Models			
Freq Range (GHz)	Atten Range (dB)	Flatness (\pm dB)	Model Number
0.80 - 0.90	10	1.7	CVA-FS89-10-SMA-05
0.89 - 0.96	10	1.5	CVA-FS90-15-SMA-05
1.2 - 1.4	15	1.5	CVA-FS91-15-SMA-05
2.0 - 4.0	10	1.0	CVA-FS92-10-SMA-05
	20	1.5*	CVA-FS92-20-SMA-05
4.0 - 8.0	10	0.5	CVA-FS93-10-SMA-05
	20	1.0	CVA-FS93-20-SMA-05
8.0 - 12.4	10	0.5	CVA-FS94-10-SMA-05
	20	1.0	CVA-FS94-20-SMA-05
	30	2.0	CVA-FS94-30-SMA-05

*Note: Flatness is ± 1.5 dB @ 0 - 13 dB and ± 2.25 dB @ 13 - 20 dB

Notes:

1. To designate a Panel type option, substitute "P" for "S" in the Model No..
2. To designate a Turns-Counting Dial option, substitute "T" for "S" in the Model No..
3. To designate Type N or TNC connectors, substitute "NNN" or "TNC" for "SMA" in the Model No.