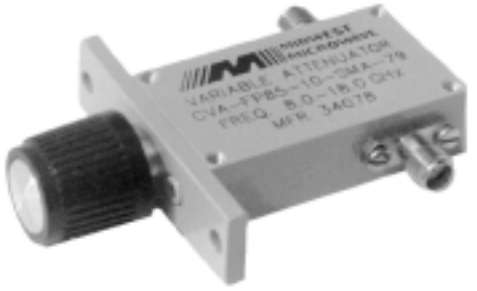
Attenuators

Continuously Variable

Flat with Frequency Types - Subminiature

Specifications

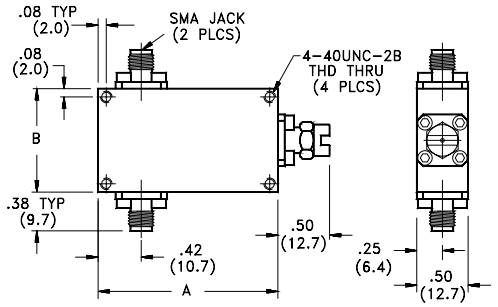
Frequency Ranges: 1-18 GHz as noted
Attenuation Range: 0 - 20 dB as noted
Flattness: see table
Impedance: 50 Ohms
VSWR: 1.50 max
Insertion Loss: 0.5 dB max
Power: 5 Watts average, 3Kilowatts Peak
Operating Temperature Range: -65 to +125C
Resetability: 0.1 dB max
Finish: Housing is painted grey per MIL-F-14072
Connectors are Passivated Stainless Steel



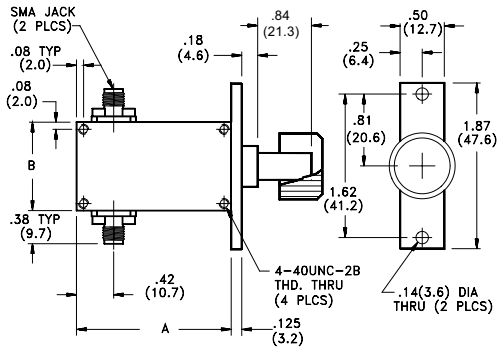
Midwest Microwave's series of Subminiature Continuously Variable Attenuators were designed to meet the most stringent environmental conditions. The Flat with Frequency Types are useful for applications where a specific level of attenuation is required over a frequency band and reasonable attenuation flattness 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 refrence setting or if calibration is desired. SMA connector configurations are standard, however Type N or TNC connector configurations are also available (see note below for designation information).

Flat with Frequency Models				
Frequency Range (GHz)	Atten Range (dB)	Flattness (± dB)	Model Number	Case Style
2.0 - 4.0	10	1.5	CVA-FS82-10-SMA-79	2
	20	1.5	CVA-FS82-20-SMA-79	2
4.0 - 8.0	10	1.0	CVA-FS83-10-SMA-79	2
	20	1.5	CVA-FS83-20-SMA-79	2
8.0 - 12.4	10	0.5	CVA-FS84-10-SMA-79	2
	20	1.0	CVA-FS84-20-SMA-79	2
8.0 - 18.0	10	1.5	CVA-FS85-10-SMA-79	1
12.4 - 18.0	10	1.0	CVA-FS86-10-SMA-79	1

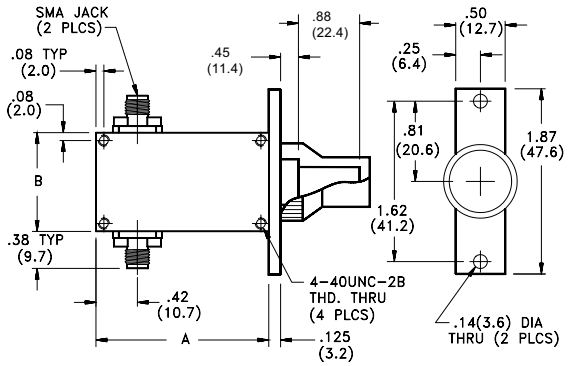
Case Style	DIM "A"	DIM "B"
1	.615 (15.6)	.375 (9.5)
2	.765 (19.4)	.525 (13.3)



S = Standard Locking Nut Type



P = Panel Mounting Type



T = Turns Counting Panel Mounting Type

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