

Digitally Controlled Attenuators



- ▶ Digitally Controlled Attenuators - DCA
- ▶ Step Attenuators

Series MW DC

DIGITALLY CONTROLLED ATTENUATORS

- ▶ High Performance
- ▶ MIC Quadrature Hybrid Design
- ▶ 60 dB Dynamic Range
- ▶ Temperature Compensated
- ▶ Non-Reflective
- ▶ VVA Upon Request

NOTES:

1. Mean attenuation is defined as the average of the maximum and minimum values of attenuation over the specified frequency range at a given control word.
2. Accuracy of attenuation is defined as the change from the required mean attenuation.

GENERAL INFORMATION

Power Handling Capacity	0.1 Watt (CW)
Mean Attenuation Range 1	60 dB
Temperature Coefficient	0.025 dB/°C
Accuracy of Attenuation 2	±1 dB
Switching Speed	1 μs
RF Connectors	SMA female

OPTIONS

- ▶ Other Models of Digitally Controlled Attenuators are Available Upon Request.

HOW TO ORDER

To order the above mentioned attenuator please state the model number. For other frequency ranges please contact manufacturer.

SPECIFICATIONS

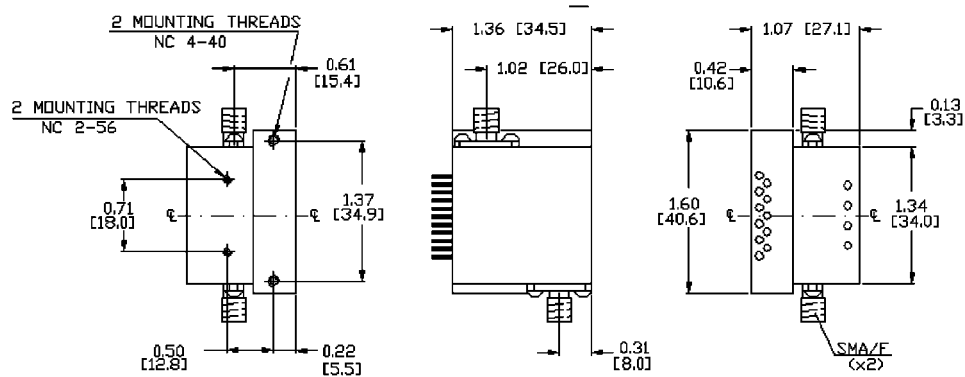
MW DC Digitally Controlled Attenuators

Model Number	Frequency Range (GHz)	Step Size (dB)	Number of Bits	Insertion Loss max (dB)	VSWR max	Flatness (\pm dB)		DC Power Supply		Operating Temperature Range ($^{\circ}$ C)	Case
						Up to 30 dB	Up to 60 dB	(V)	(mA)		
MW DC20606	2 – 6	1	6	2.5	2.1	2.5	3.00	+5 +15 -15	170 150 50	-55 to +105	AD
MW DC60186	6 – 18	1	6	6.0	2.2	2.5	3.00	+5 +12 -12	200 100 20	-55 to +105	BD
MW DC20406	2 – 4	1	6	2.0	2.0	1.25	1.75	+15 -15	150 50	0 to +70	CD
MW DC40806	4 – 8	1	6	3.0	2.0	1.25	2.00	+15 -15	150 50	0 to +70	CD
MW DC50107	5 – 10	0.5	7	2.6	2.0	1.25	1.75	+12 -12	120 35	0 to +70	DD

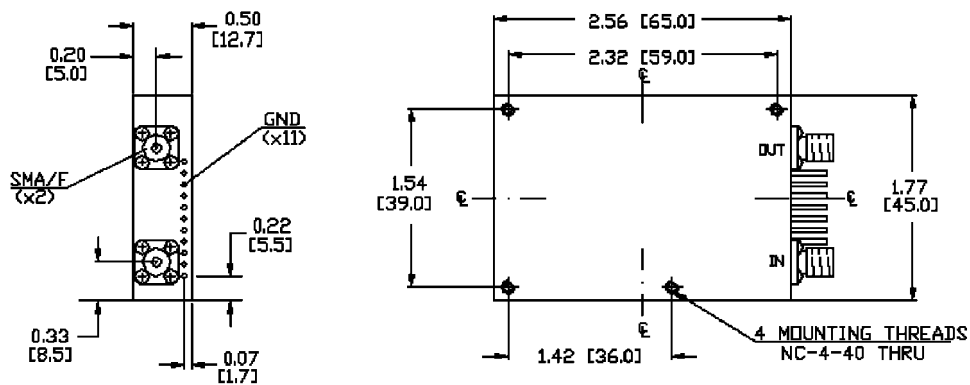
Outline Drawings

All dimensions are in inches and (mm). Drawings are in first angle projection.

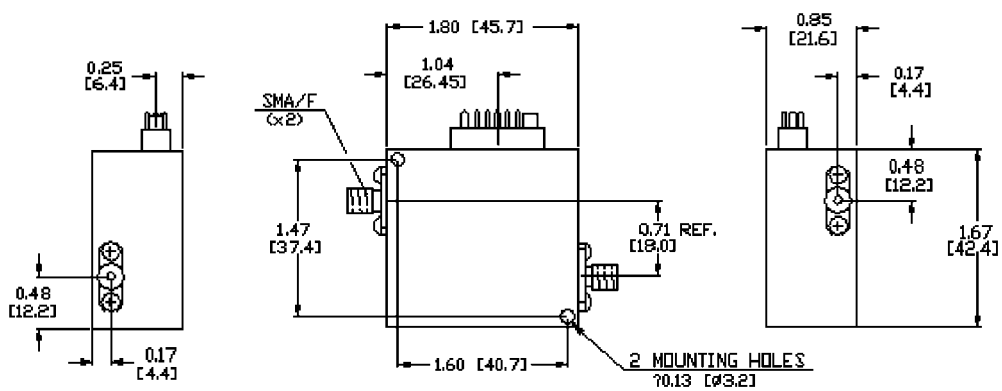
CASE AD



CASE BD



CASE CD



CASE DD

