

DIGITALLY CONTROLLED ATTENUATORS / MODULATORS

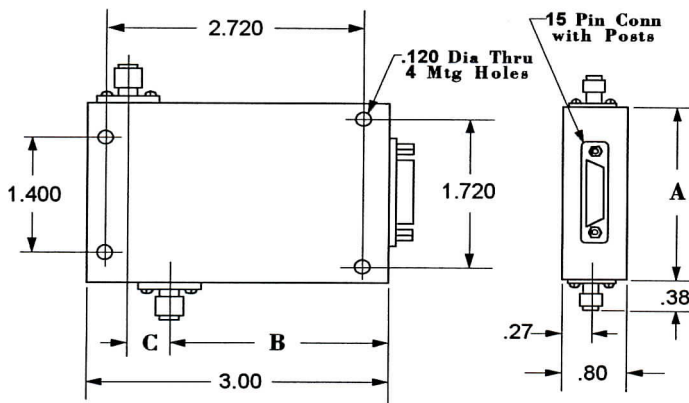
GENERAL DESCRIPTION

These models are digitally controlled attenuators or modulators. This design utilizes an 8 bit positive binary control function. These units exhibit low insertion loss and are non-reflective at all settings.

GENERAL SPECIFICATIONS

Frequency Range 1.0-18.0 GHz
 Attenuation Range 0-60 dB
 RF Power +20 dBm
 +30 dBm Survival
 Rise & Fall Time 1.5 usec / 50 ns
 Power Supply ±12 Volts, 100 mA
 Control Voltage 0-6 Volts

Form 7027



Dimensions - Inches

Outline	A	B	C
1	2.56	1.47	0.97
2	2.00	1.71	0.79
3	2.00	1.81	0.44
4	2.00	2.00	0.25

Pin	8 Bit Binary
1	Gnd
2	Analog In
3	Not Used
4	Gnd
5	0.25 dB
6	0.5 dB
7	1.0 dB
8	2.0 dB
9	4.0 dB
10	8.0 dB
11	16.0 dB
12	32.0 dB
13	+V
14	-V
15	Not Used

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Freq Range (GHz)	Ins Loss (Max dB)	VSWR (Max)	Atten vs Freq (± dB)		Outline	Model No.
			Min Setting	Max Setting		
1.0-2.0	1.6	1.5	0.3	1.6	1	3752-60B
2.0-4.0	1.8	1.5	0.3	1.6	2	4752-60B
2.5-5.0	2.0	1.6	0.3	1.6	2	4-5752-60B
4.0-8.0	2.4	1.7	0.3	1.6	3	5752-60B
5.0-10.0	2.6	1.7	0.5	1.6	3	5-6752-60B
6.0-12.0	2.7	1.8	0.7	1.6	3	6752-60B
8.0-18.0	2.7 *	2.0	0.7	1.6	4	6-9752-60B

* Max insertion loss to 16 GHz. Max loss from 16 to 18 GHz is 3.7 dB.