ARRA INC.
ANTENNA & RADOME RESEARCH ASSOCIATES
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VOLTAGE CONTROLLED ATTENUATORS / MODULATORS

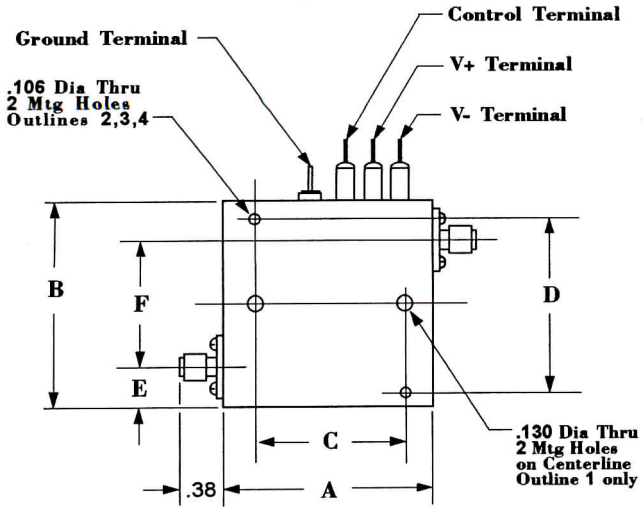
GENERAL DESCRIPTION

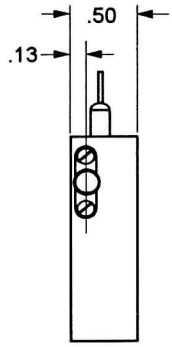
These models are voltage controlled attenuators or modulators. A 10 dB per volt control function is achieved with an integrated hybrid linearizer. These units exhibit low insertion loss and are non-reflective at all settings.

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
Connectors . . . . . SMA Female
Material . . . . . Per MIL-C-39012

Form 7026





Dimensions - Inches

Outline	A	B	C	D	E	F
1	2.60	2.00	2.35	-	0.60	0.97
2	1.80	1.67	1.20	1.45	0.47	0.80
3	1.30	1.40	1.14	0.80	0.45	0.45
4	1.25	1.25	1.05	0.65	0.50	0.25

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

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