

# MODEL NUMBER CAT76235

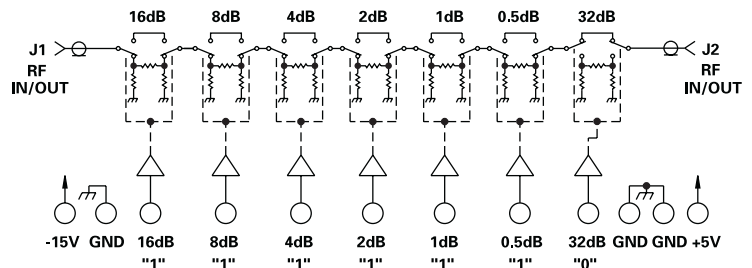
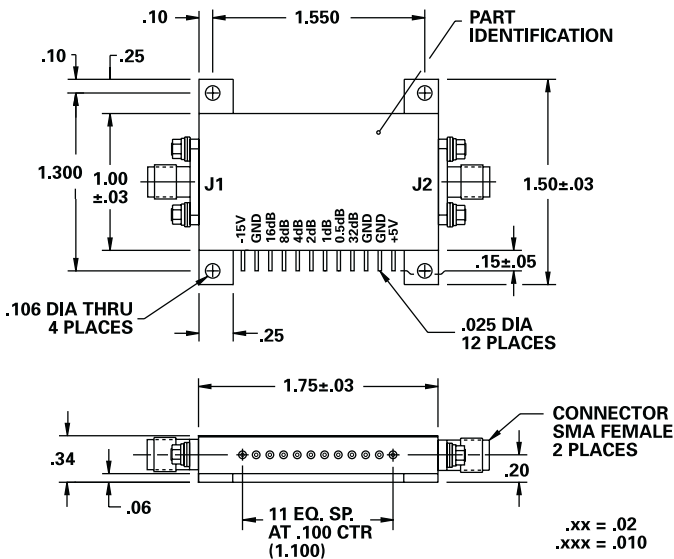
# Attenuator 7 Section

## FEATURES

- 5 - 1200 MHz
- 0.5 dB LSB, 63.5 dB Range
- Binary Attenuation Range
- Phase Matched Vs. Attenuation
- 60 nSec Switching Speed

- TTL Control
- Excellent VSWR

## 7 BIT



## GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	5		1200	MHz	
DC Current		15	30	mA	At +5 VDC Supply
		20	35	mA	At -15 VDC Supply
Control Type		TTL			7 Lines Logic "0" = Thru Logic "1" = Attenuation
Control Current	High	0	±20	µA	VIH = +2.7 V
	Low	0	±20	µA	VIL = +0.5 V
Insertion Loss		7.1	9.0	dB	
Attenuation	LSB	0	0.5	dB	
	Range		63.75	dB	0.5, 1, 2, 4, 8, 16, 32
	Accuracy			dB	± (0.25 dB +2% of Atten. Setting in dB)
Attenuation Vs. Phase			±5	DEG	DC - 500 MHz
			±8	DEG	500 - 1000 MHz
VSWR		1.2/1	1.35/1		
Impedance		50		OHMS	
Switching Speed		60	100	nSec	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time		20		nSec	90% / 10% or 10% / 90% RF
Switching (Video) Transients		100		mV	Peak Value
Intercept Points	2nd	+63		dBm	70 MHz / 50 MHz
	3rd	+43		dBm	35 MHz / 50 MHz
RF Power	Operate	+8	+3	dBm	0.1 dB Compression < 50 MHz
		+17	+13	dBm	0.1 dB Compression > 50 MHz
	No Damage		+24	dBm	
Operating Temperature	-55	+25	+85	°C	TA

