

FEATURES

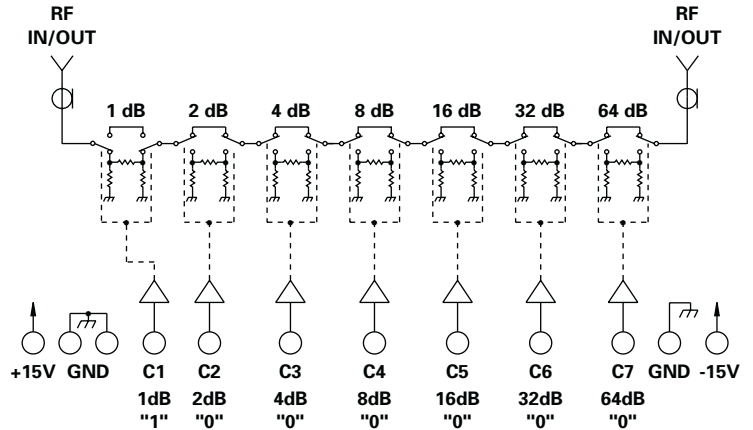
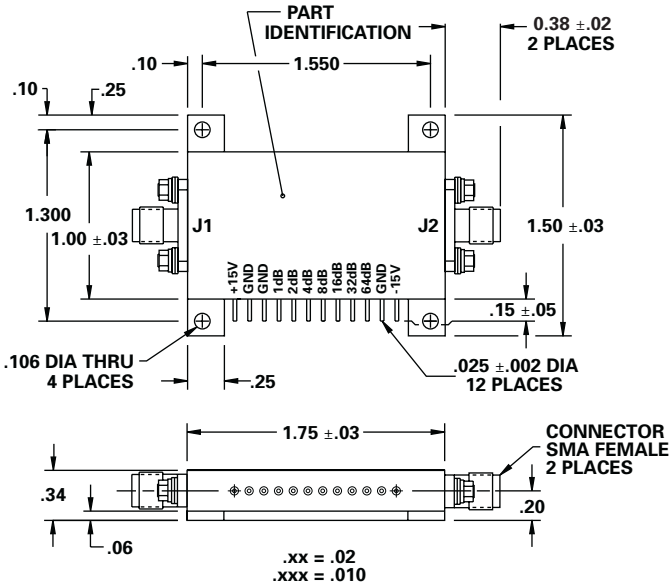
- 300 - 1000 MHz
- Highest Attenuation 127 dB
- Fast Speed, 100 nSec
- Medium Power, +18 dBm Operate



MODEL NO.
DAT76199

Attenuator 7 Section

7 BIT



GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	300		1000	MHz	
DC Current		12.7	35	mA	At +15 VDC Supply
		2.0	50	mA	At -15 VDC Supply
Control Type		TTL			7 Line Logic "0" = Thru Logic "1" = Attenuation
Control Current	High	±10	±100	µA	V _{IH} = +2.7 V
	Low	±10	±100	µA	V _{IL} = +0.5 V
Insertion Loss		3.5	4.5	dB	
Attenuation	LSB Range Accuracy @ 700 MHz	0	127	dB	1, 2, 4, 8, 16, 32, 64 ±2% of Attenuation Setting in dB
VSWR		1.25/1	1.5/1		
Impedance		50		OHMS	
Switching Speed		60	100	nSec	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time		22		nSec	90% / 10% or 10% / 90% RF
Switching (Video) Transients		42	100	mV	Peak Value
Intercept Points	2nd	+68		dBm	350 MHz / 400 MHz
	3rd	+39		dBm	575 MHz / 400 MHz
RF Power	Operate	+21	+18	dBm	0.1 dB Compression
	No Damage		+27	dBm	
Operating Temperature	-55	+25	+125	°C	TA

