

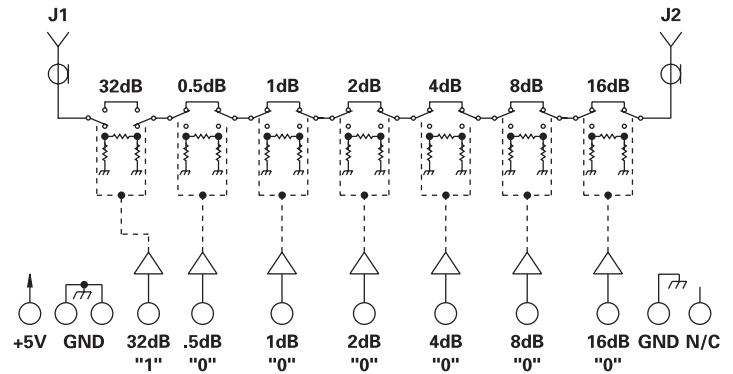
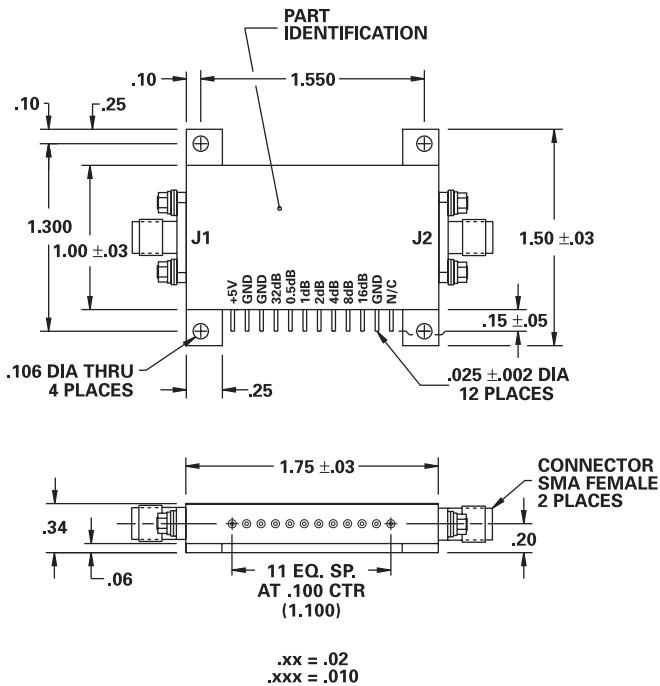
**MODEL NUMBER  
DAT76228**

**Attenuator 7 Section**

**FEATURES**

- 800 - 2000 MHz
- 0.5 dB LSB
- SMA Female Connectors
- +5 Volts, 15mA

**7 BIT**



**GUARANTEED PERFORMANCE**

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	800		2000	MHz	
DC Current		12	15	mA	At +5 VDC Supply
Control Type		TTL			7 Line Logic "1" = Attenuation
Control Current	High		±10	µA	V <sub>IH</sub> = +2.7 V
	Low		±10	µA	V <sub>IL</sub> = +0.5 V
Insertion Loss		7	9	dB	
Attenuation	LSB	0.5		dB	0.5, 1, 2, 4, 8, 16, 32 dB ±(0.25dB +2% of Attenuation Setting in dB)
	Range		63.5	dB	
	Accuracy			dB	
VSWR		1.2/1	1.6/1		
Impedance		50		OHMS	
Switching Speed		1.1	1.5	µSec	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time		0.8		µSec	10% / 90% or 90% / 10% RF
Switching (Video) Transients		250		mV	Peak Value
Intercept Points	2nd	+60	+72	dBm	1700 MHz / 900 MHz
	3rd	+25	+30	dBm	850 MHz / 900 MHz
RF Power	Operate		+10	dBm	0.1 dB Compression
	No Damage		+20	dBm	
Operating Temperature	-55	+25	+125	°C	TA

**TYPICAL PERFORMANCE**  
at 25°C

