

FEATURES

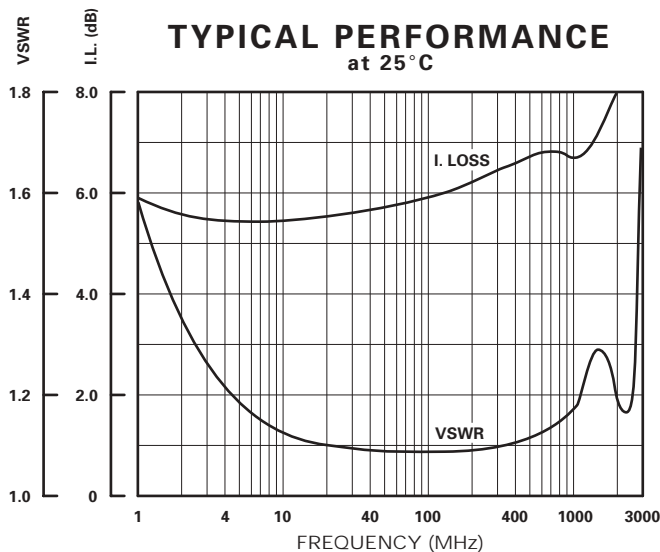
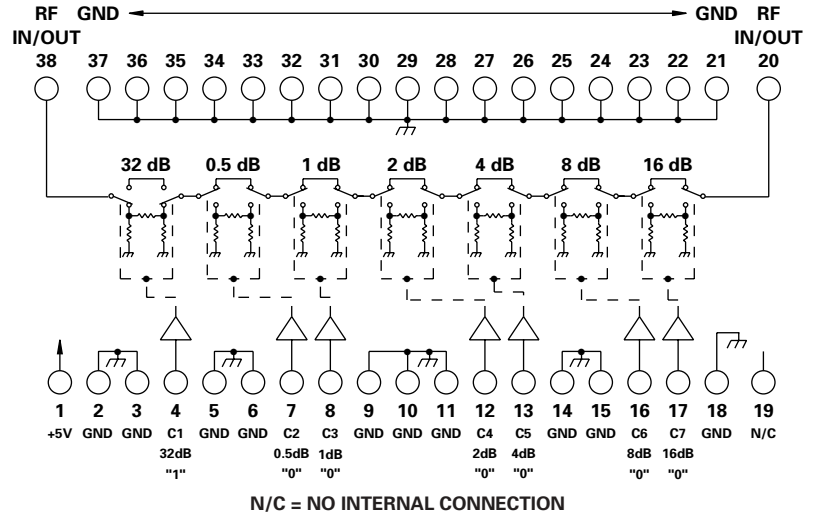
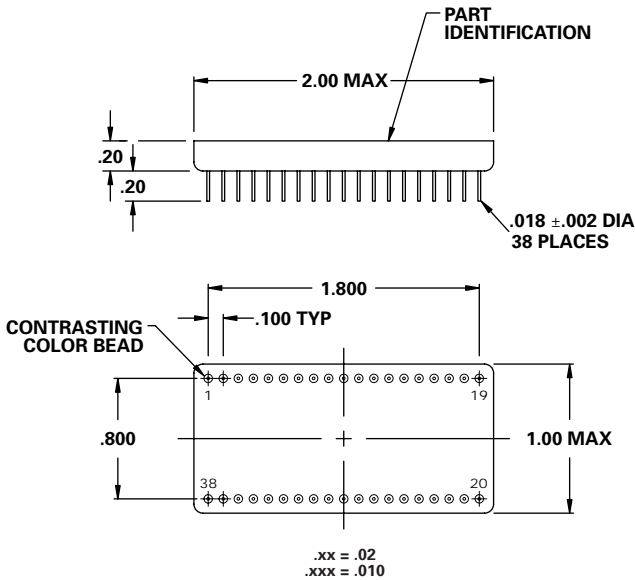
- 10 - 1000 MHz
- 3 mA, +5 VDC
- 17 nSec Transition Time
- 27 nSec Switching Speed
- 0.5 dB LSB, 63.5 dB Range
- CDA0867 for Connectorized Version
- Available in Surface Mount Package
- 54 mV Transients
- TTL Control
- 38 Pin DIP



MODEL NO.
DA0887

GaAs 7 Section Attenuator

7 BIT



GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	10		1000	MHz	
DC Current		3	7	mA	At +5 VDC Supply
Control Type		TTL			7 Line Logic "0" = Thru Logic "1" = Attenuation
Control Current	High Low	0 0	±20 ±20	µA	V _{IH} = +2.7 V V _{IL} = +0.5 V
Insertion Loss		6.4 6.8	8.0 9.0	dB	10 - 300 MHz 300 - 1000 MHz
Phase Change Vs. Attenuation		±3 ±4	±5 ±8	DEG	10 - 500 MHz 500 - 1000 MHz (up to 15.5 dB of Atten.)
Attenuation	LSB Range Accuracy	0	0.5 63.5	dB dB	0.5, 1, 2, 4, 8, 16, 32 ± (0.25 dB +2% of Atten. Setting in dB)
VSWR		1.18/1	1.35/1		
Impedance		50		OHMS	
Switching Speed		27	35	nSec	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time		17		nSec	90% / 10% or 10% / 90% RF
Switching (Video) Transients		54		mV	
Intercept Points	2nd 3rd	+65 +38		dBm dBm	70 MHz / 50 MHz 35 MHz / 50 MHz
RF Power	Operate No Damage	+10 +13	+8 +10	dBm dBm	0.1 dB Comp. 10 - 50 MHz 50 - 1000 MHz
Operating Temperature		-55	+25	+125	°C TA

This datasheet has been download from:

www.datasheetcatalog.com

Datasheets for electronics components.