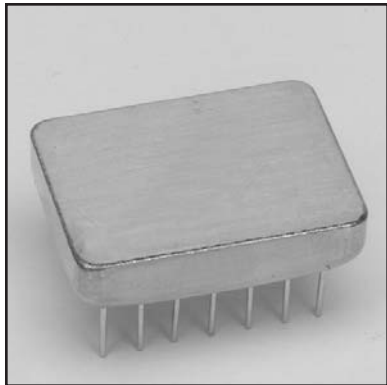




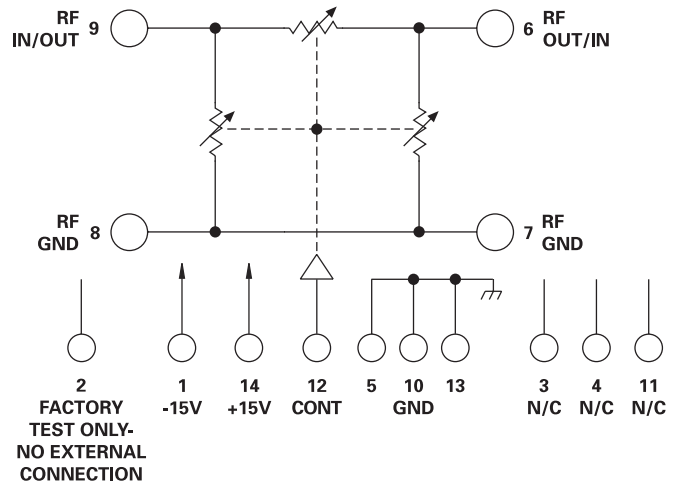
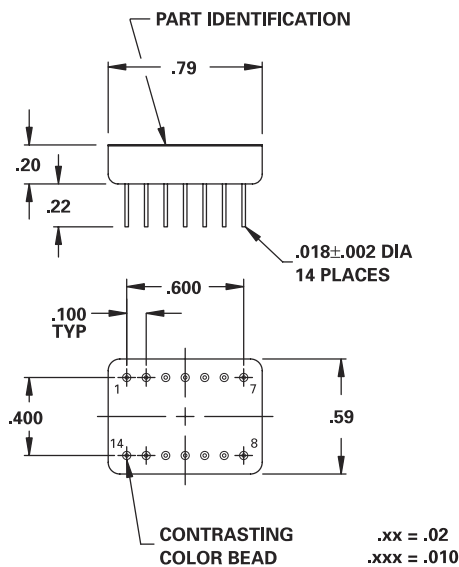
MODEL NUMBER DA0098

PIN Diode Linear VCA

FEATURES

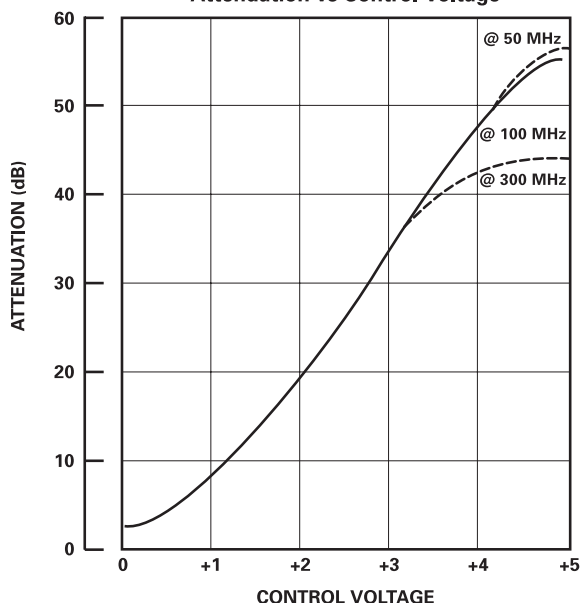
- 20-300 MHz
- 40 dB Linear Range Typical
- ± 2 dB Linearity
- 2 dB Insertion Loss
- 14 Pin DIP
- See DA0998 For Flat Pack Version
- See 100C0912 For Connectorized Version

VCA



N/C = NO INTERNAL CORRECTION

TYPICAL PERFORMANCE Attenuation vs Control Voltage



GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	20		300	MHz	
DC Current		42	65	mA	At +15 VDC Supply
(10k ohm Input Impedance)		80	110	mA	At -15 VDC Supply
Control Current			0.5	mA	0 V = Insertion Loss +5 V = Max. Atten.
Insertion Loss		1.3	2.0	dB	At 0 V Control
Attenuation					At 100 MHz
Range	40	50		dB	
Slope		15 $\pm$ 3		dB/V	
Linearity		$\pm$ 2		dB	Best Straight Line Fit From IL +2 dB to 40 dB
VSWR			1.4/1		
Impedance		50		OHMS	
Slew Rate		6		dB/ μ s	
RF Power			+10	dBm	Operate
No Damage			+20	dBm	
Operating Temperature	-55	+25	+85	$^{\circ}$ C	TA



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