

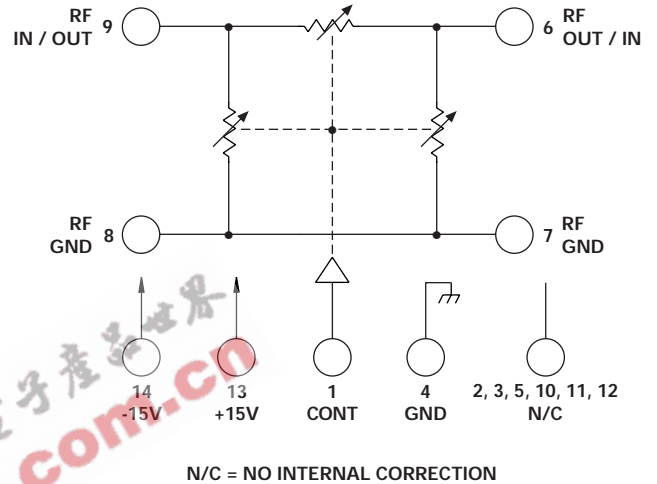
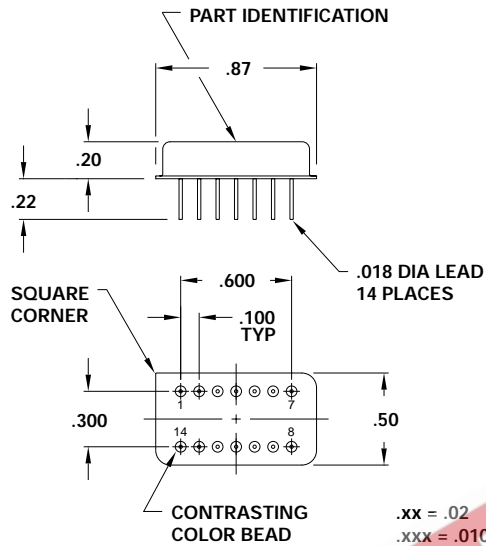
FEATURES

- 20 - 300 MHz
- 20 dB Linear Range Typical
- ± 0.8 dB Linearity
- +44 dBm 3rd Order Intercept
- 0.8 dB Insertion Loss
- 14 Pin DIP
- See 100C0911 For Connectorized Version



MODEL NO.
DA0035

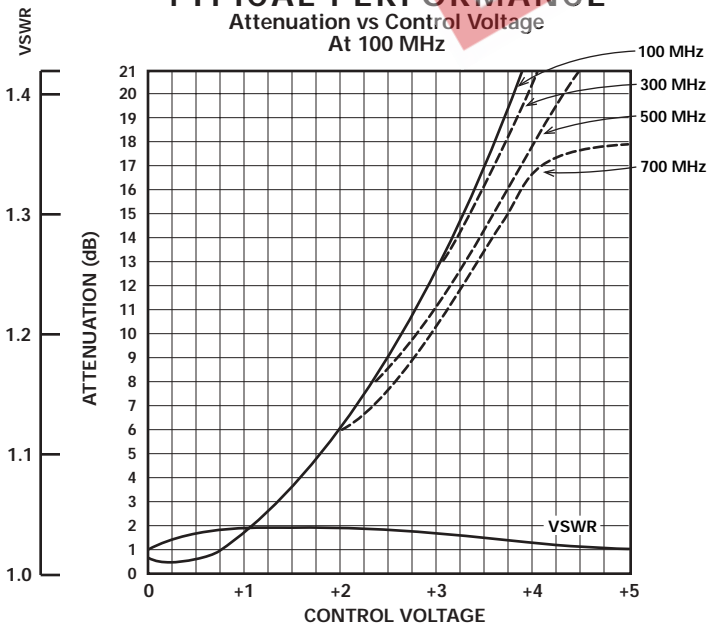
PIN Diode Linear VCA



N/C = NO INTERNAL CORRECTION

TYPICAL PERFORMANCE

Attenuation vs Control Voltage
At 100 MHz



GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	20		300	MHz	
DC Current		25	25	mA	At +15 VDC Supply At -15 VDC Supply
Control Current			1	mA	0 V to +5 V Control
Insertion Loss		0.8	1.5	dB	
Attenuation					
Range	18	20		dB	Best Straight Line Fit From IL +1.5 dB to 18 dB
Slope		6.5 \pm 1.5		dB/V	
Linearity		± 0.8		dB	
VSWR		1.15	1.25/1		
Impedance		50		OHMS	
Slew Rate		6		dB/ μ s	
Intercept Points					
2nd		+77		dBm	
3rd		+44		dBm	
RF Power					
Operate			+10	dBm	
No Damage			+20	dBm	
Operating Temperature	0	+25	+60	$^{\circ}$ C	TA