

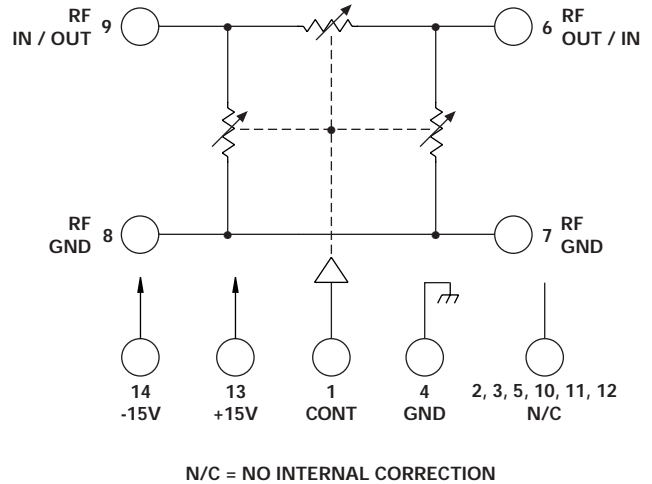
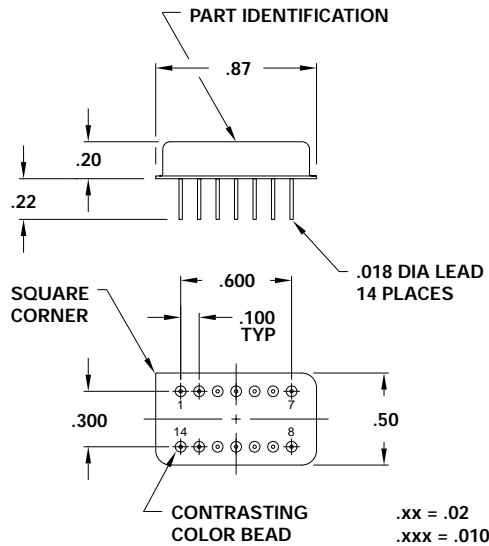
FEATURES

- 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



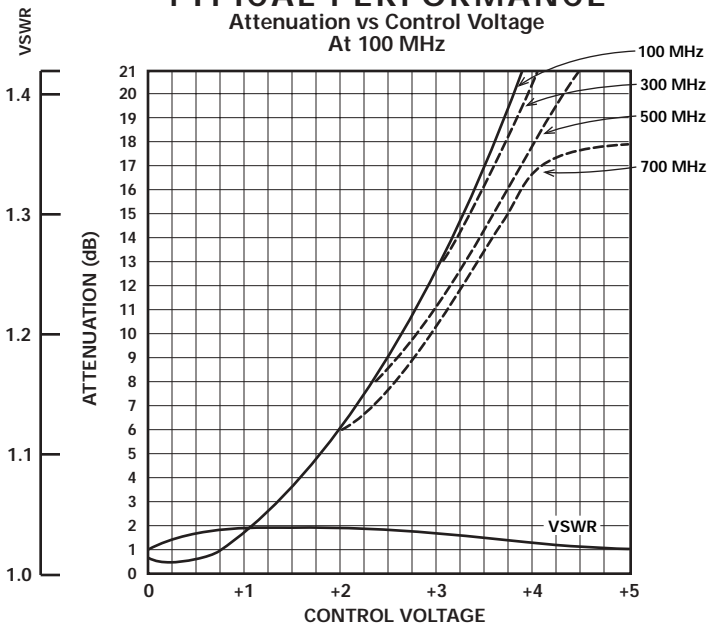
MODEL NO.
DA0035

PIN Diode Linear VCA



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 ± 1.5		dB/V	
Linearity		± 0.8		dB	
VSWR		1.15	1.25/1		
Impedance		50		OHMS	
Slew Rate		6		dB/μs	
Intercept Points					
2nd		+77		dBm	
3rd		+44		dBm	
RF Power					
Operate			+10	dBm	
No Damage			+20	dBm	
Operating Temperature	0	+25	+60	°C	TA