

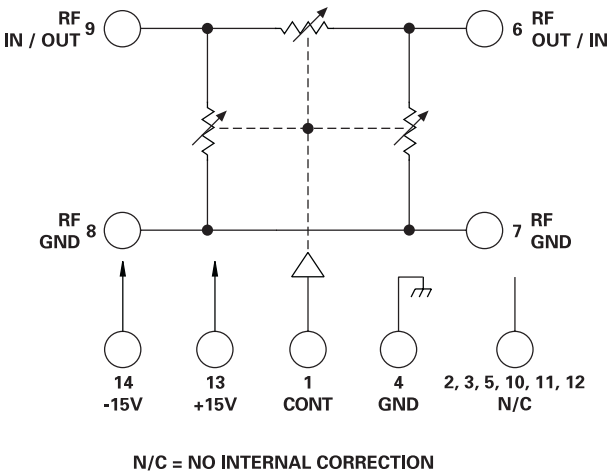
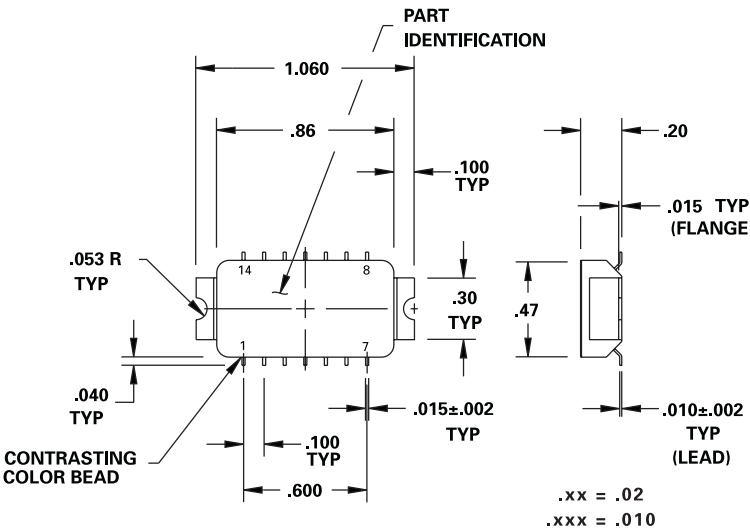
# MODEL NUMBER DA0735

# PIN Diode Linear VCA

## FEATURES

- 20-300 MHz
- 20 dB Linear Range Typical
- $\pm 0.8$  dB Linearity
- +47 dBm 3rd Order Intercept
- 0.8 dB Insertion Loss
- See DA0035 For 14 Pin DIP Version
- See 100C0911 For Connectorized Version

## VCA



## GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	20		300	MHz	
DC Current		30 40	60 60	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 Slope Linearity	18 5	20 6.5	dB dB/V dB	Best Straight Line Fit From IL +1.5 dB to 18 dB
VSWR		1.1/1	1.4/1		
Impedance		50		OHMS	
Slew Rate		6		dB/ $\mu$ s	
Intercept Points	2nd 3rd	+97 +47		dBm dBm	70 MHz / 50 MHz 35 MHz / 50 MHz
RF Power	Operate No Damage		+10 +20	dBm dBm	
Operating Temperature	-55	+25	+85	$^{\circ}$ C	TA

