

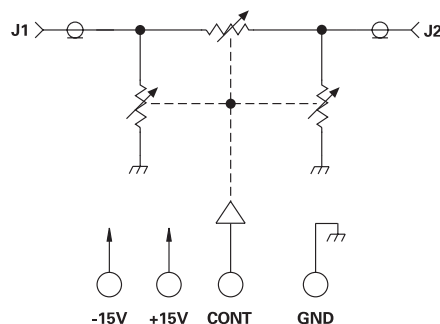
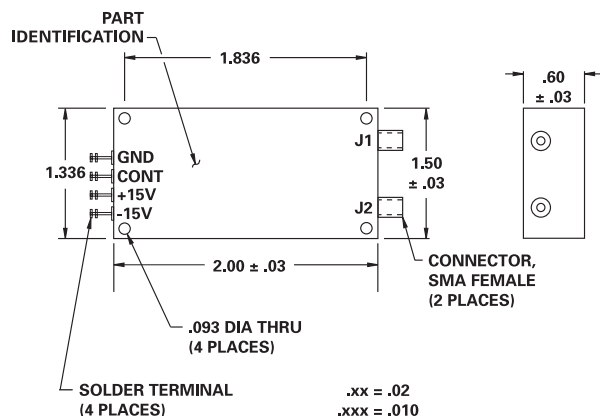
## MODEL NUMBER 100C1575

## Phase Compensated Linear PIN Diode VCA

### FEATURES

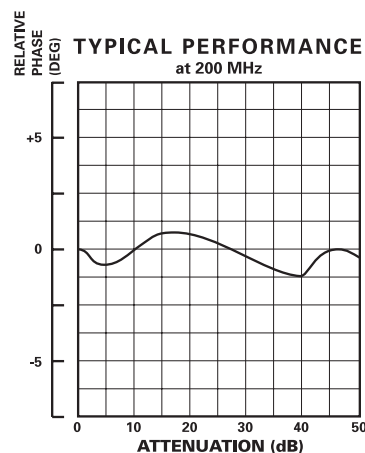
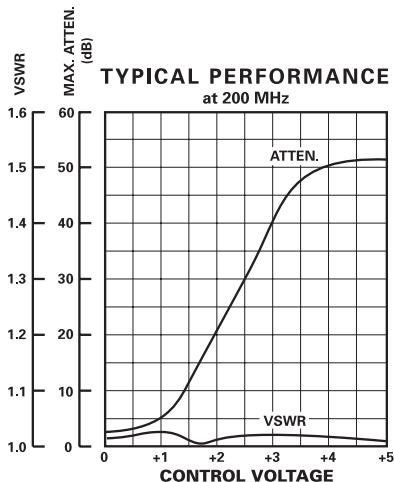
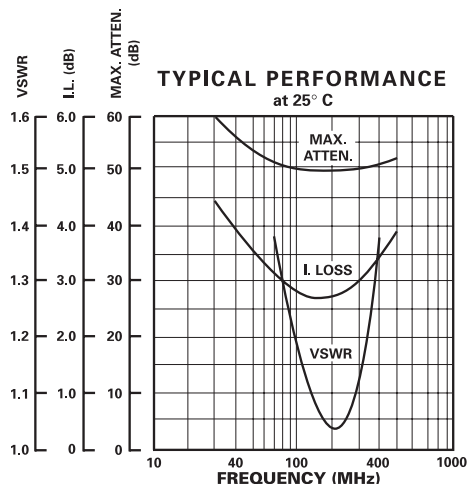
- 150-250 MHz
- 48 dB Linear Range
- Constant Phase vs. Attenuation
- SMA Connectors

## VCA



### GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	150		250	MHz	
DC Current		40	70	mA	At +15 VDC Supply At -15 VDC Supply
Control Current				mA	0 V = I.L. +5 V = Max. Atten.
Insertion Loss		3	4	dB	
Attenuation	Range Slope Linearity	40 12	48 15 ±2	dB dB/V dB	Best Straight Line Fit From IL +2 dB to 40 dB
Phase Stability			10	DEG	Over Specified Range
VSWR		1.1/1	1.25/1		
Impedance		50		OHMS	
Slew Rate		6		dB/μs	
RF Power	Operate No Damage		+15 +20	dBm dBm	
Operating Temperature	-55	+25	+85	°C	TA



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