

# PC-10 – PC-375 PHASE COMPARATORS (DETECTORS)

## TECHNICAL FEATURE

### PERFORMANCE

Input Levels:

Signal ..... 0 dBm max

Ref. Nominal ..... -10 dBm max

Input Impedance ..... 50 Ohms

Output Voltage ..... 150 to 170 MV  
(Sine & Cosine 5K for specified input)

DC Offset Voltage ..... 3 MV max  
(Sine & Cosine Output)

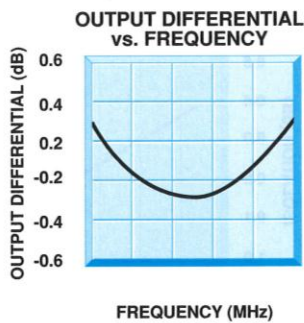
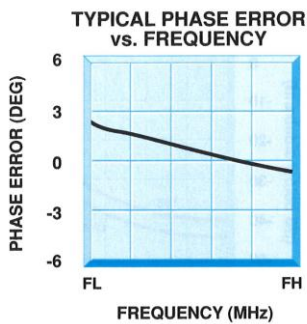
Phase Range ..... 0 to 360°

Phase Error ..... Below 250 MHz  $\pm 3^\circ$   
..... Above 250 MHz  $\pm 5^\circ$

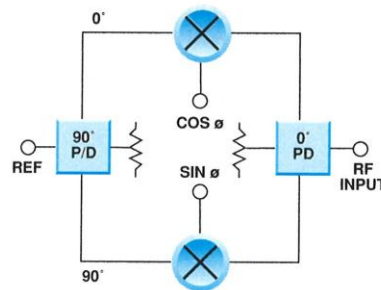
Amplitude Differential ..... 0.5 dB max  
(Between Sine & Cosine Outputs)

### PRODUCT SELECTION GUIDE

Part No.	Frequency Range MHz
PC -10	7 to 14
PC-15	10 to 20
PC-20	14 to 28
PC-30	20 to 40
PC-45	30 to 60
PC-60	40 to 80
PC-70	55 to 90
PC-100	70 to 140
PC-120	80 to 160
PC-150	100 to 200
PC-200	150 to 300
PC-240	160 to 320
PC-300	220 to 400
PC-375	360 to 390

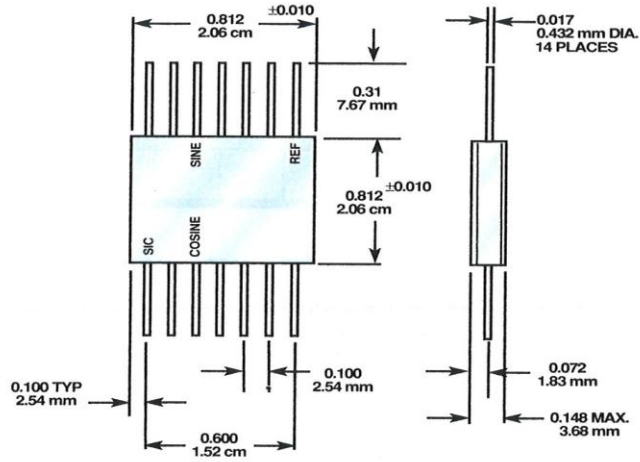


### FUNCTIONAL SCHEMATIC

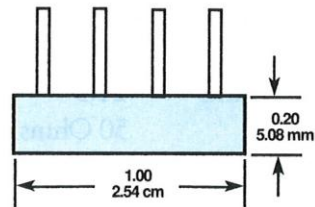
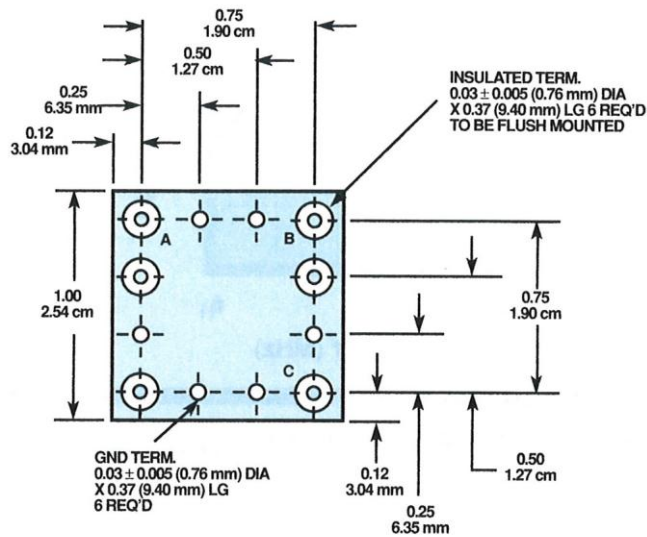


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## MECHANICAL OUTLINE



## FP8 Package



## P Package

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