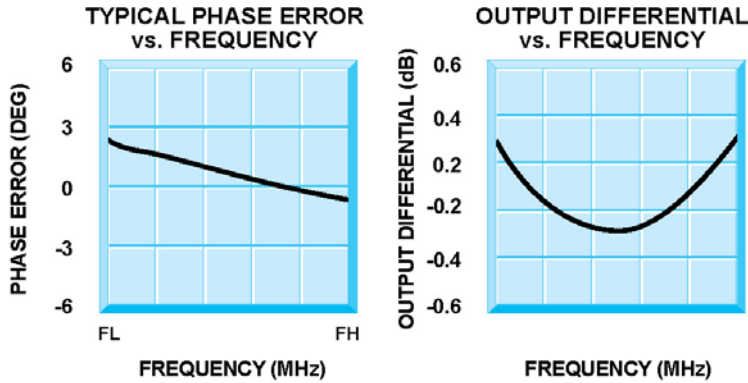




PC-10 – PC-375 PHASE COMPARATORS (DETECTORS)

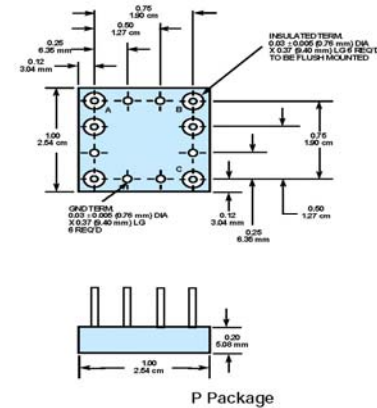
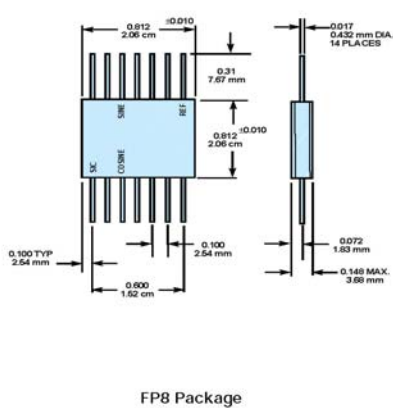


Guaranteed Specifications (-54° to +85°C)

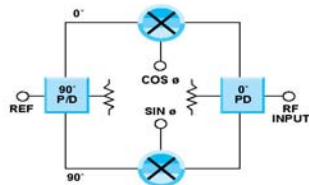
Input Levels:	
Signal	0 dBm Max.
Ref. Nominal	-10 dBm Max.
Input Impedance	50 Ohms
Output Voltage	150 to 170 MV
(Sine & Cosine 5K for specified input)	
DC Offset Voltage	3 MV Max.
(Sine & Cosine Output)	
Phase Range	0 to 360°
Phase Error	Below 250 MHz $\pm 3^\circ$ Above 250 MHz $\pm 5^\circ$
Amplitude Differential (Between Sine & Cosine Outputs)	0.5 dB Max.

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	225 to 400
PC-375	360 to 390



Functional Schematic



STC Microwave Systems – www.cranae.com
 28 Tozer Road • Beverly, MA 01915
 phone: 978-524-7200 • email: electronics@cranae.com

STC MICROWAVE SYSTEMS - OLEKTRON
 A CRANE CO. COMPANY



Revision PC-10 – PC-375 2005 08252