



Phase Detector 5-1000 MHz

PD-120

- Wide Bandwidth
- Low DC Offset

Guaranteed Specifications*

(From -55°C to +85°C)

Frequency Range	5-1000 MHz	
Maximum DC Output	5-500 MHz	300 mV Min
	5-1000 MHz	250 mV Min
Isolation (L-R)	5-200 MHz	50 dB Min
	200-500 MHz	40 dB Min
	500-1000 MHz	30 dB Min
DC Offset (100 MHz RF)	1.0 mV Max	

Operating Characteristics

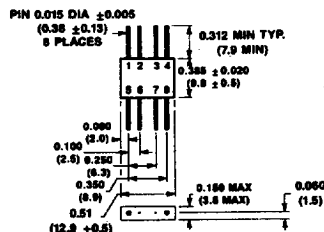
Impedance (L, R Ports)	50 Ohms Nominal
Load (X Port)	500 Ohms
Input Power (L & R Ports)	+ 7 dBm Nominal
Maximum Input (Non-Destruct)	
Total Power	300 mW Max @ 25°C Derated to 85°C @ 3.2 mW/°C
DC Output Polarity	Negative
Environmental	
See Appendix for MIL-STD-883 screening option.	
Pin Configuration	RF; P8, LO; P5, IF; P4.
All other pins and case are ground.	

* All specifications apply when operated at: + 7 dBm available LO and RF power and 50 ohms impedance at the L & R ports and with 500 ohm load at the X port.

Ordering Information

Model No.	Package
PD-120 PIN	Flatpack

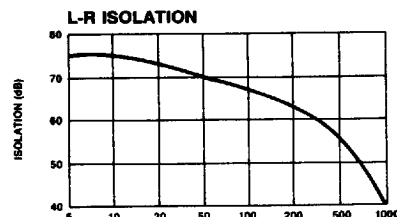
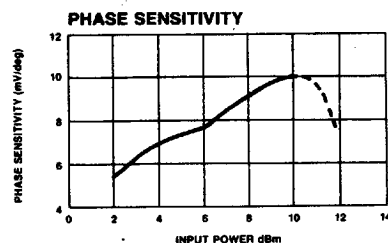
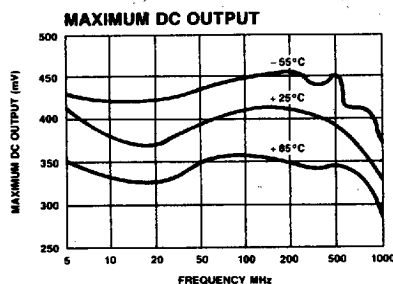
FP-2



Dimensions in () are in mm.

See Appendix for complete physical dimensions.

Typical Performance



Specifications Subject to Change Without Notice.

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