

Model 4152 6 Bit Digital Phase Shifter

Microwave Phase Shifter @ 25°C

Frequency Range	1.3 GHz to 1.5 GHz
1dB compression point (P1dB)	27 dBm
Number of bits	6
LSB Resolution	5.6 Degree
Input Power (Damage level)	36 dBm
Insertion Loss for any state (Maximum)	6.5 dB
VSWR(Maximum)	1.8:1
Phase Bit Accuracy	
Bit 1	5.6 ±3°
Bit 2	11.25 ±3°
Bit 3	22.5 ±3°
Bit 4	45 ±3°
Bit 5	90 ±5°
Bit 6	180 ±10°

General Specifications

Connectors		
RF (J1, J2)		SMA(F)
Control / Bias		9 Pin Connector
Control		
Logic		TTL
State Table		
Phase Bit control E1-E6		RF Path
Logic 0		Ref.
Logic 1		Ref. + phase shift
DC Power Requirements		
Digital Supply		-5 +/- 5%
Digital supply current (Max)		10 mA

Dimensions

Refer to Outline Drawing

Environmental Requirements

Temperature	
Operating	-40 to +85 °C
Storage	-55 to +150°C
Cooling	Conduction cooling through surface of switch body
Seal	Moisture Seal

