



RF-LAMBDA

The power beyond expectations

RFPSHT0102N6

1-2GHz Digital 6 Bits 360° Step Phase Shifter

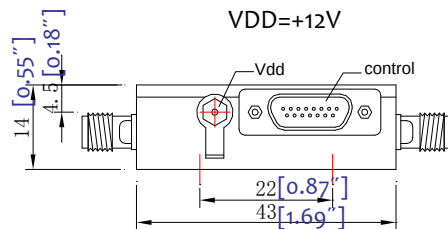


Features

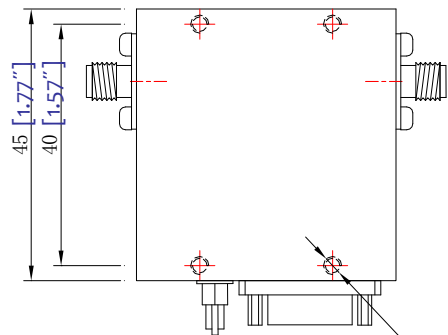
- Wide Band Operation with full 1-2GHz bandwidth.
- High linearity up to 5W upon request.
- TTL compatible driver include
- Fast Switching Speed
- Flat phase shifting response, low phase error.
- Low Insertion Loss and High Isolation
- Temperature Range -40°C~+85°C
- Customization available upon request

360° Digital Phase Shifter 4/5/6 bits (Wide Band Absorptive)

Frequency (GHz)	Bandwidth	Insertion Loss (dB)	VSWR	Opt Power	Step	Phase Range	Phase Slope
1-2GHz	FULL	4dB typ. 6dB max.	2.00	10dBm	5.625°	360°	±5.6°



State	Voltage
Low(0)	0 to +0.5V
High(1)	+3 to +5V(Note 5)

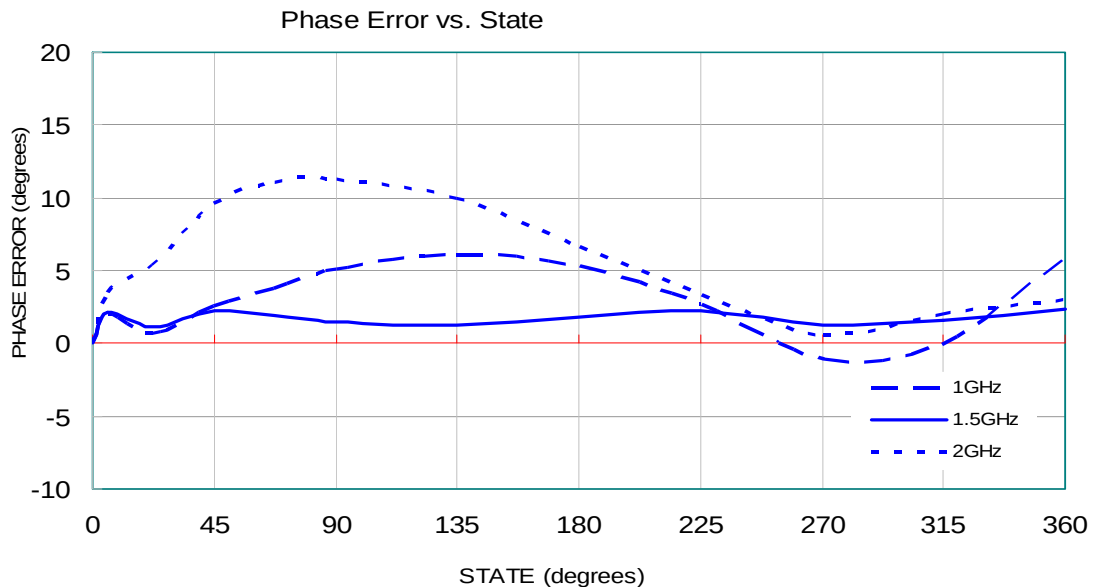
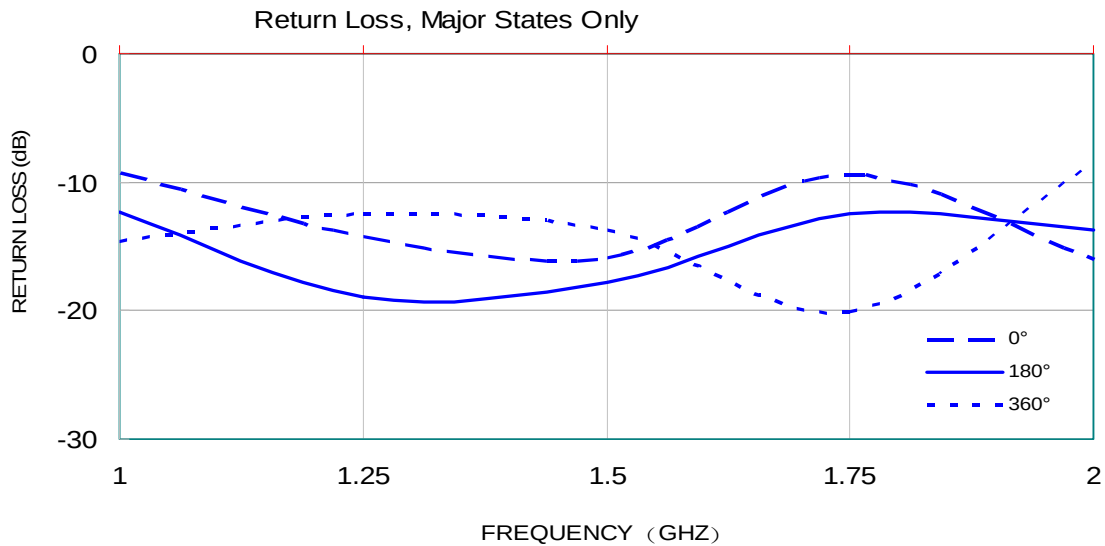
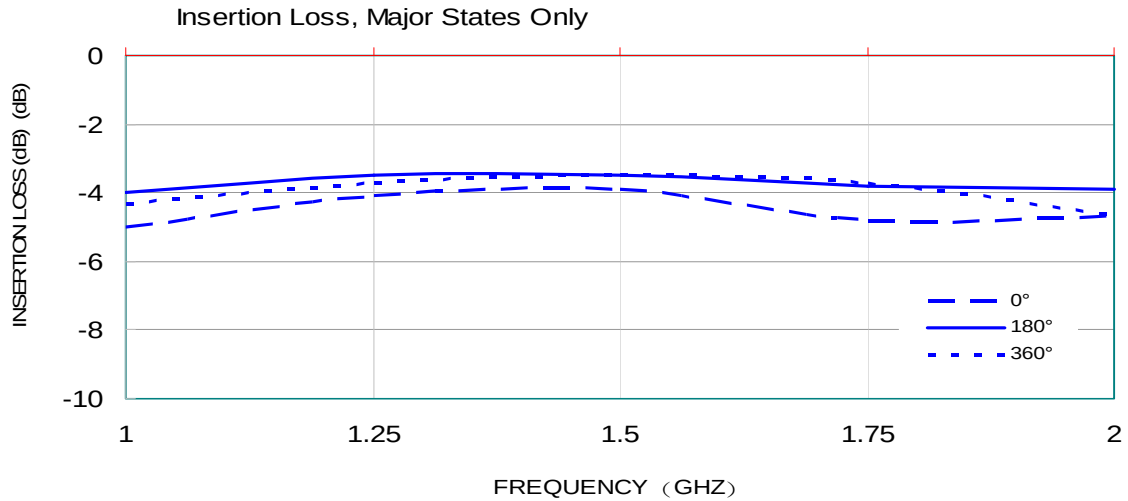


Inverse 4-M3 Depth is 5
[4-M0.118"] [Depth 0.197"]

Absolute Maximum Ratings

Operating Temperature	20° C to 70° C
Storage Temperature	-55° C to 100° C
(Vdd) Max!	15V
(Vc)	5.0 V
Input Power (RFI N) Max!	15 dBm

1-2GHz Full Band Digital Step 360° 6 Bits Phase Shifter

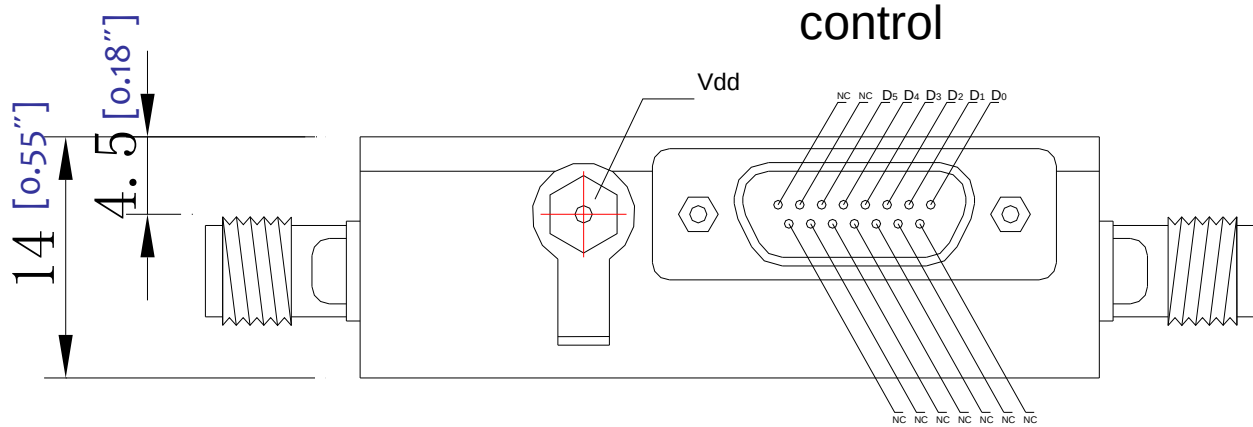




RF-LAMBDA

The power beyond expectations

RFPSHT0102N6



Control Voltage Input						Phase Shift (Degrees) RFIN - RFout
D5	D4	D3	D2	D1	D0	
1	1	1	1	1	1	Reference*
1	1	1	1	1	0	5.625
1	1	1	1	0	1	11.25
1	1	1	0	1	1	22.5
1	1	0	1	1	1	45.0
1	0	1	1	1	1	90.0
0	1	1	1	1	1	180.0
0	0	0	0	0	0	354.375



1-2GHz Full Band Digital Step 360° 6 Bits Phase Shifter