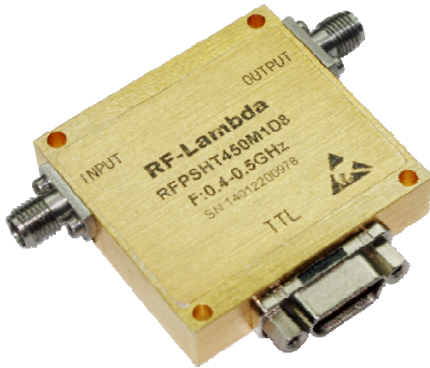




Digital Dispersive Phase Shifter 0.4-0.5GHz



Features

- Wide Band Operation 0.4-0.5GHz
- High Power Handle Capability up to 1W upon request.
- Temperature Range -40°C~+85°C
- Customization available upon request

Digital Control Phase Shifter

Frequency (GHz)	Insert. Loss (dB)	VSWR	bits	Step	Phase Shifter	Frequency (GHz)	Phase Error	Power (Watts)
0.4-0.5	5-5	1.5	8	1.4 °	360 °	0.4-0.5	±2.5 °	0.01

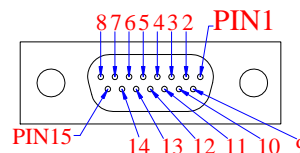
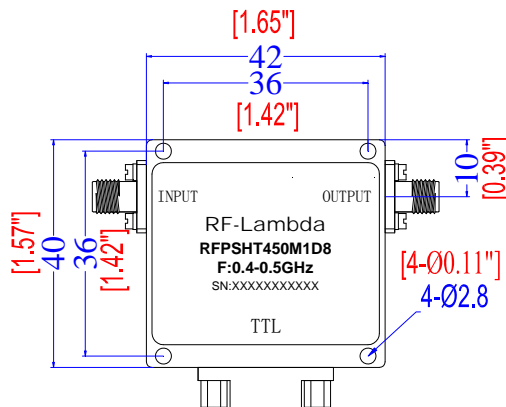
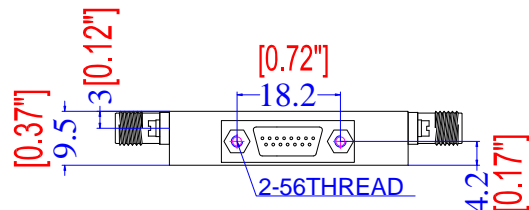
All logic “0” for Reference Degrees

Electrical Operation

Control DC : ±5v
 Max Current: 170mA
 High Digital Biasing is required for high RF power model.

Mechanical Specification

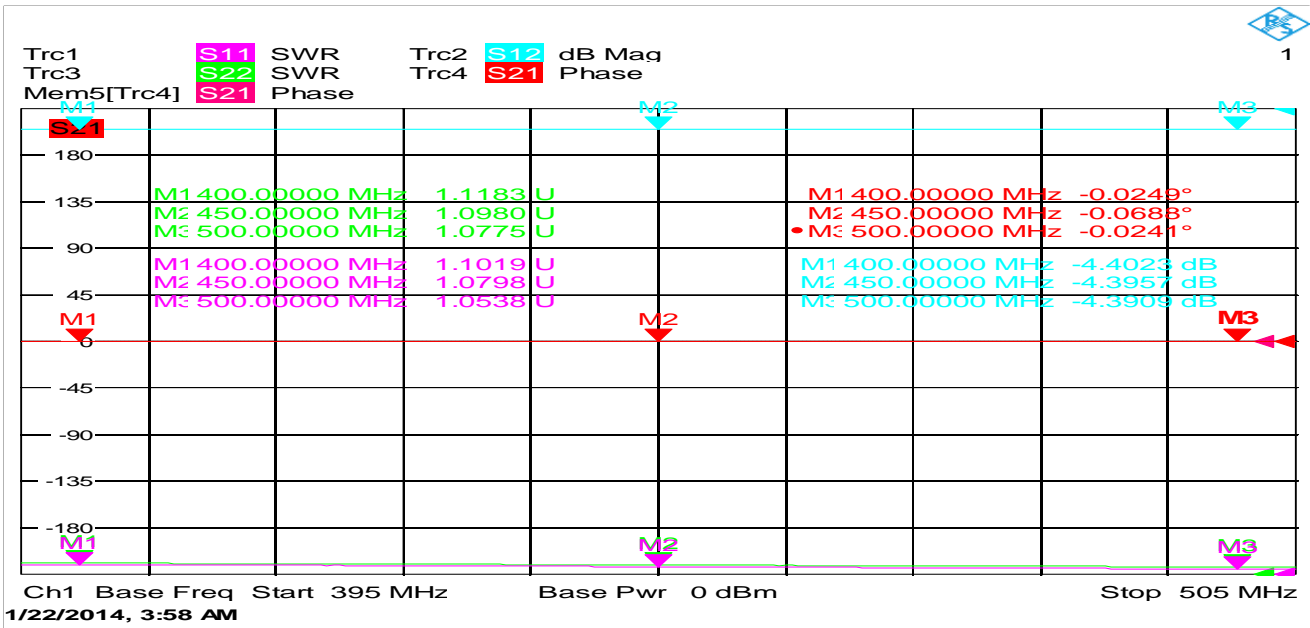
Case Style: As shown
 Finishing: Gold plating for brass material
 Other finishing available
 Connector: SMA-F
 Seal: Laser Seal
 Control PIN: 0.02” dia x 0.15” solder pins
 Weight: 200 grams max.



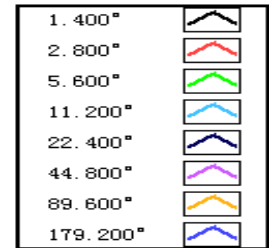
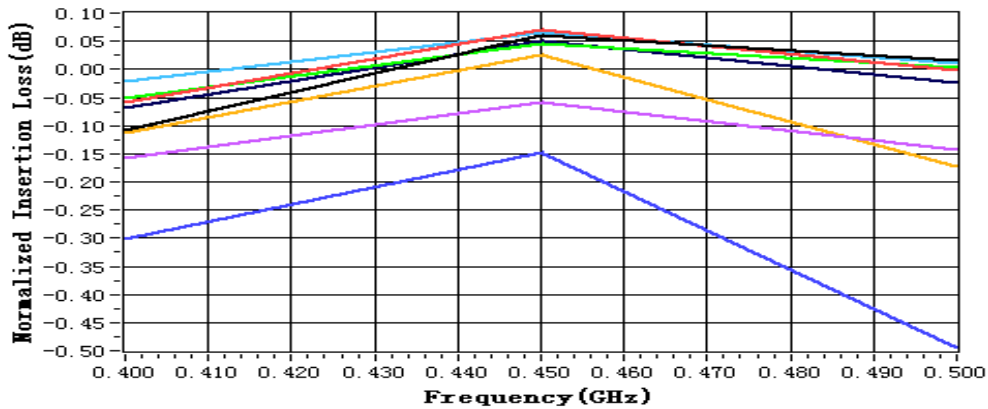
1 +5V 2 GND 3 -5V 4 C1 5 C2 6 C3 7 C4 8 C5 9 C6 10 C7 11 C8 12 GND 13 GND 14 GND 15 GND

M I C R O - D 15

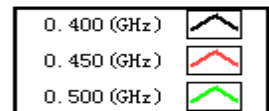
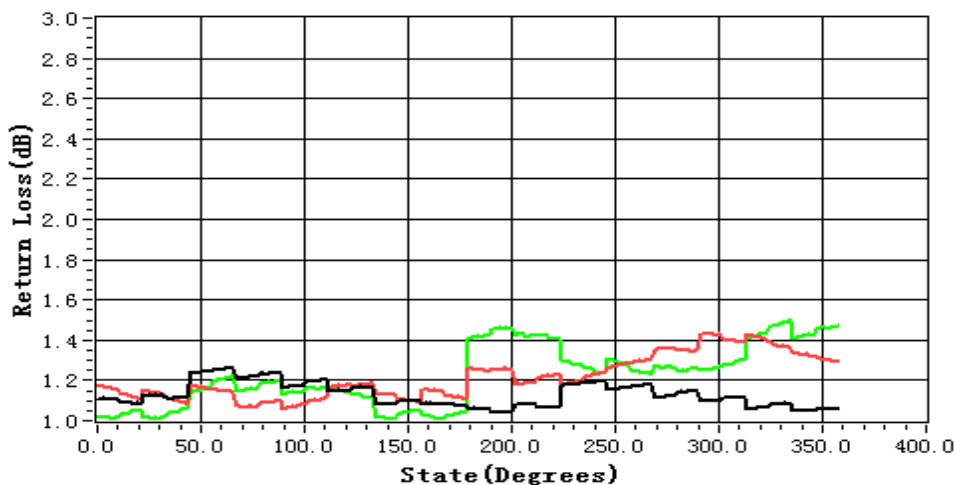
Digital Control Phase Shifter 0.4-0.5GHz 360 Degree



Normalized Loss, Major States



Output Return Loss, Major States





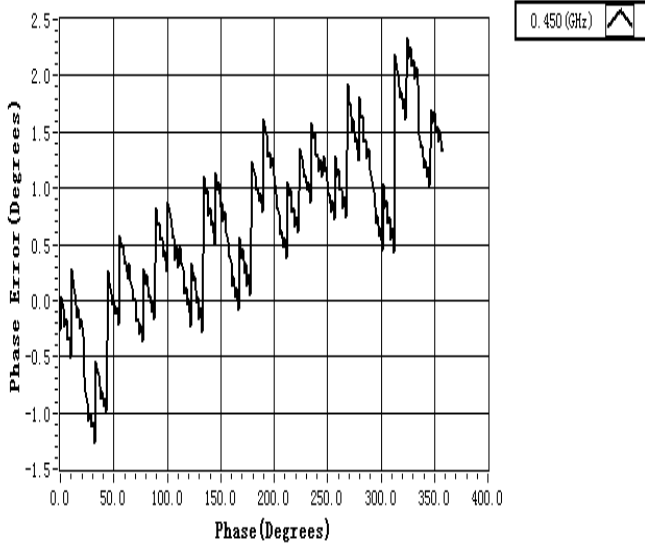
RF-LAMBDA

The power beyond expectations

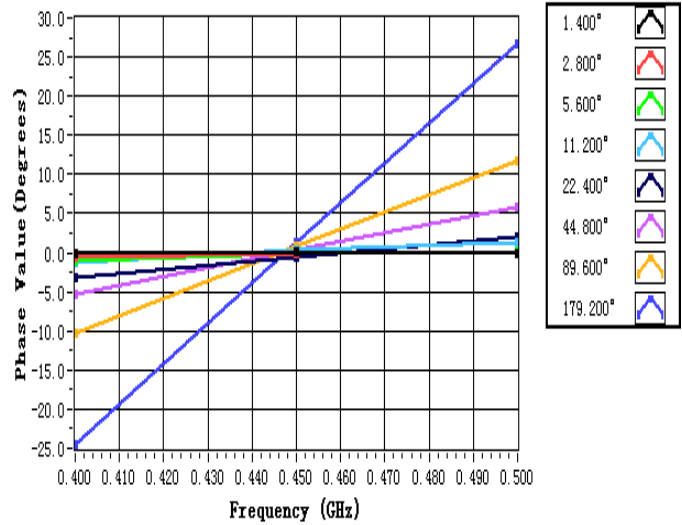
RFPSHT450M1D8

Digital Control Phase Shifter 0.4-0.5GHz 360 Degree

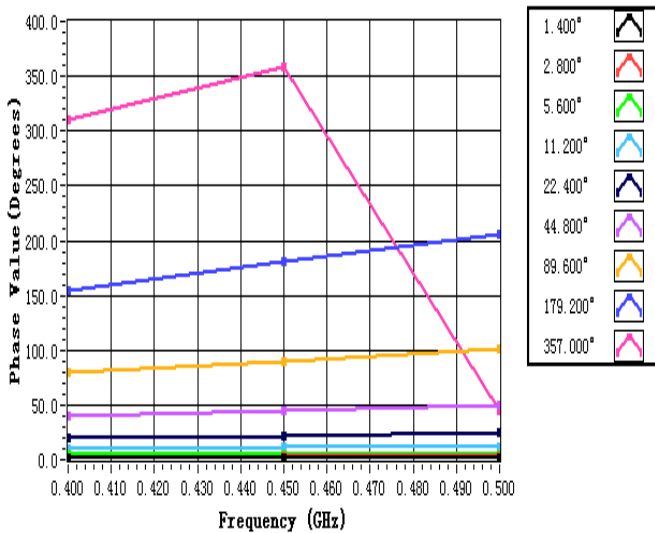
Phase Error



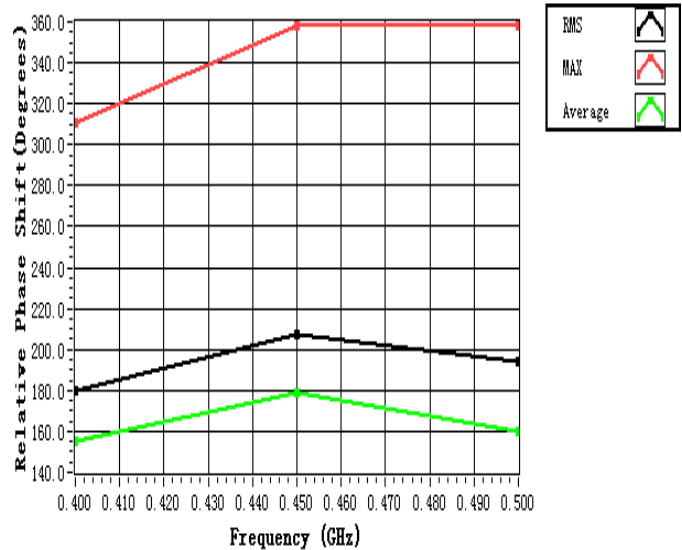
Phase Error, Major States



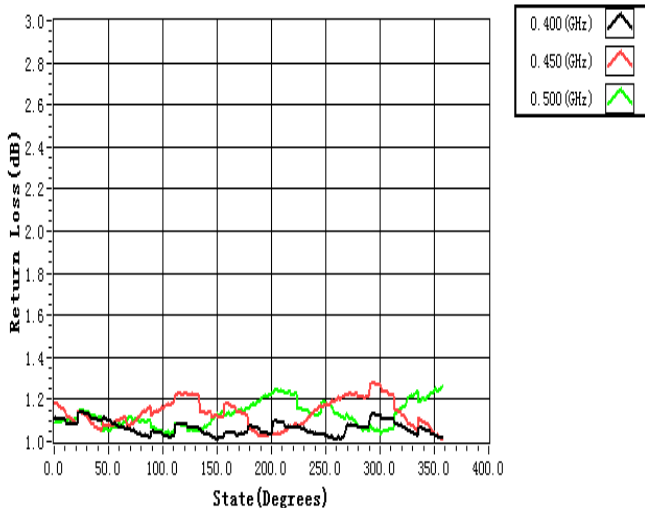
Relative Phase Shift



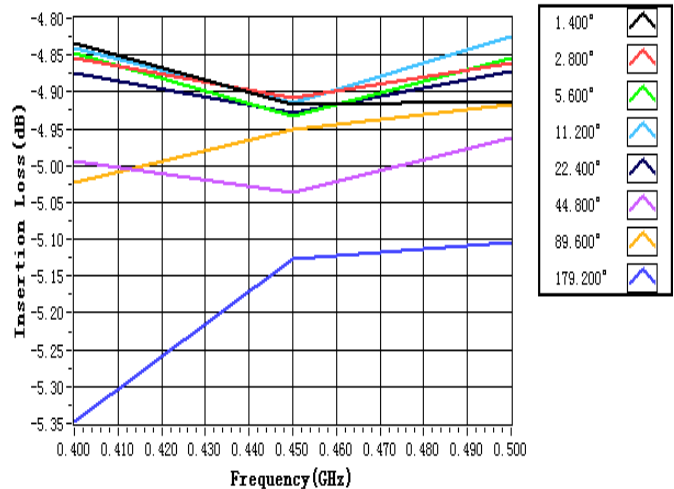
Relative Phase Shift, RMS, Average, Max, All States



Input Return Loss, Major States



Insertion Loss, Major States





RF-LAMBDA

The power beyond expectations

RFPSHT450M1D8

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Digital Control Phase Shifter 0.4-0.5GHz 360 Degree