

Part No.: TURDP360A3G6G -6

360° Phase Shift 3-6GHz

电气特性 Electrical:

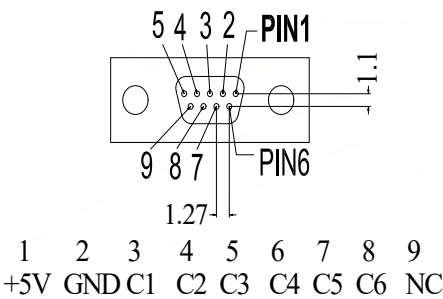
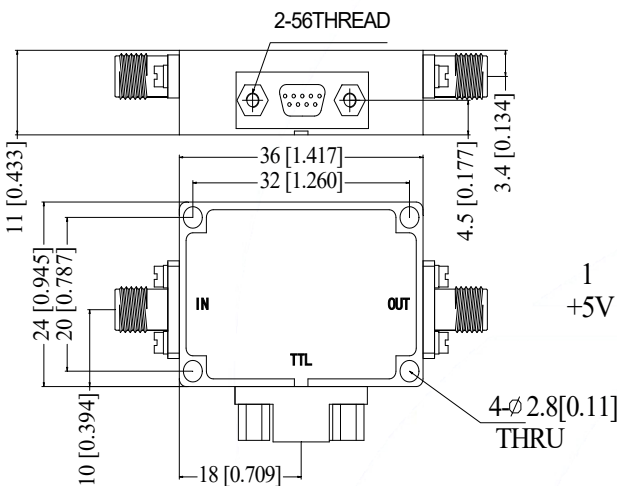
工作频率 Frequency Range: 3-6 GHz  
插入损耗 Insertion Loss: ≤ 11dB  
驻波 VSWR: ≤2.5: 1  
控制步进 Control Step size: 5.6 °  
控制位数 Control Bits: 6 bit  
移项 Phase Range: 354.3° Typ.  
相位 Phase Flatness : ±12 ° Typ.  
Power Handling Input Power for  
1 dB Compression: 31dBm  
电流 bias control current : 15 mA.

机械特性 Mechanical :

温度范围Temperature Range: -40° C - +85° C  
阻抗 Impedance: 50 OHMS  
接口Connectors: Micro-D9 /SMA-Female  
相对湿度Relative Humidity: 0 ~ 90%

外形尺寸Outline Drawing:

Unit: mm



MICRO-D9(Female)

Truth Table

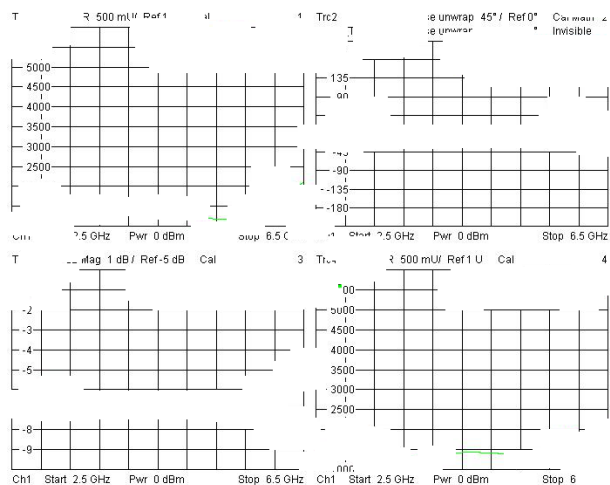
| Control Voltage Input |    |    |    |    |    | Phase Shift<br>(Degree) |
|-----------------------|----|----|----|----|----|-------------------------|
| C6                    | C5 | C4 | C3 | C2 | C1 |                         |
| 0                     | 0  | 0  | 0  | 0  | 0  | Reference               |
| 0                     | 0  | 0  | 0  | 0  | 1  | 5.6                     |
| 0                     | 0  | 0  | 0  | 1  | 0  | 11.25                   |
| 0                     | 0  | 0  | 1  | 0  | 0  | 22.5                    |
| 0                     | 0  | 1  | 0  | 0  | 0  | 45                      |

Absolute Maximum Ratings

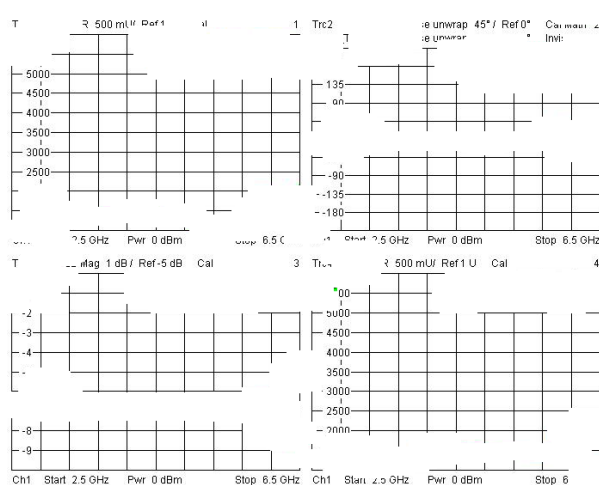
|                     |                   |
|---------------------|-------------------|
| Control Voltage     | +5.5V             |
| TTL Control Voltage | 0~+0.2V /+3.3~+5V |

## Test Data

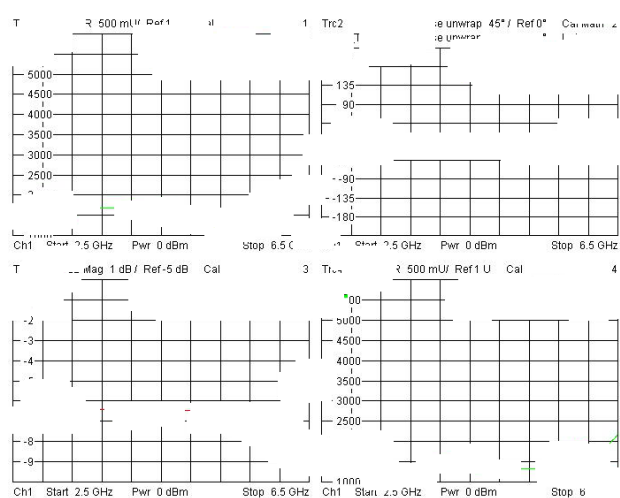
Phase:  $0^{\circ}$



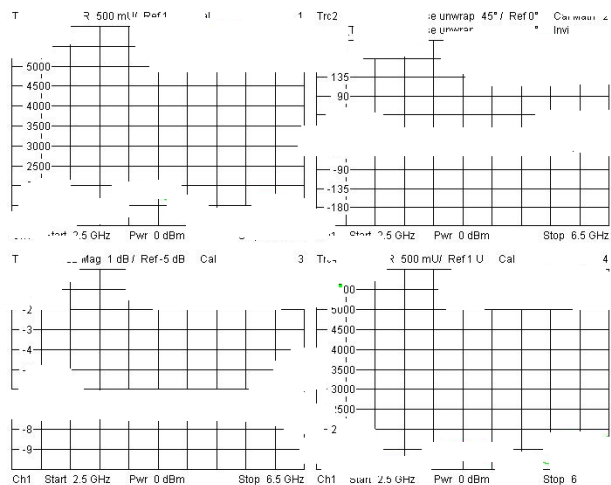
Phase:  $5.6^{\circ}$



Phase:  $11.2^{\circ}$

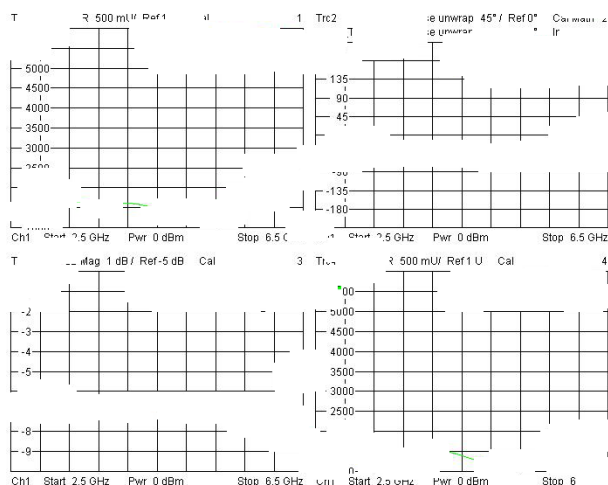


Phase:  $22.5^{\circ}$

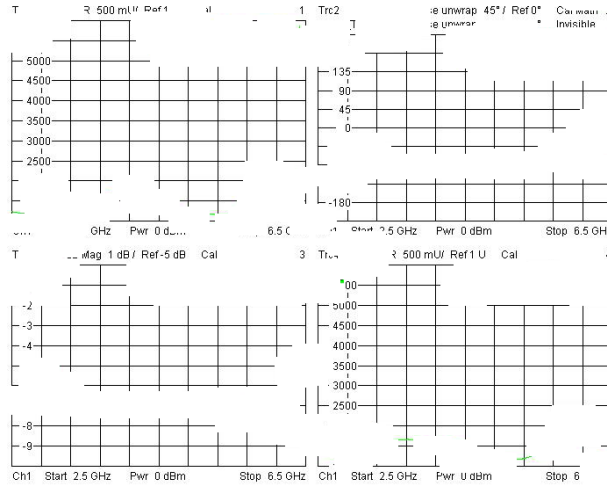


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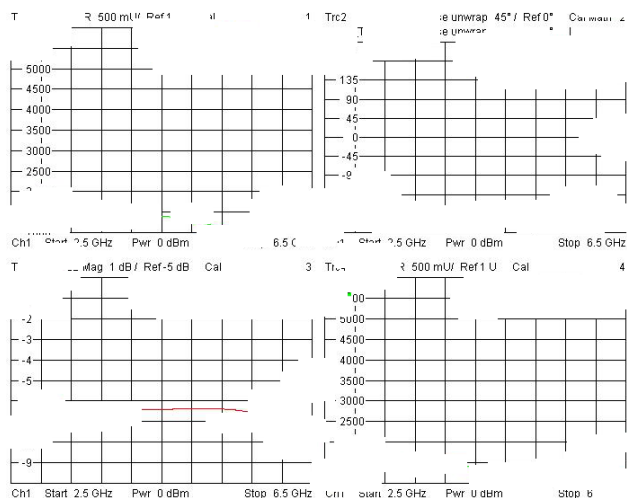
Phase: 45°



Phase: 90°



Phase: 180°



Phase: 354°

