

Model TURDP8G12G-3608

8-Bit Digital Phase Shifter
8-12GHz

- Feature:
- Ultra Wide Band: 8-12GHz
 - High Phase Shift Accuracy
 - High Phase Shift Range
 - Low Phase Error

电气特性 Electrical:

参数Parameter	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	8-12			GHz
插损 Insertion Loss			10	dB
输入驻波 Input VSWR		2.0		:1
输出驻波 Output VSWR		2.0		:1
移相范围 Phase Shift Range		360		°
移相步进 Phase Shift step		1.4		°
相位精度 Phase accuracy			±5	°
耐功率 Power Handling			25	dBm
切换速度 Switching speed			5	us
直流电压 DC Voltage		±5		V DC
直流电流 DC Supply Current		510/510		mA
控制位数 Number of Bits		8		Bit

机械特性 Mechanical :

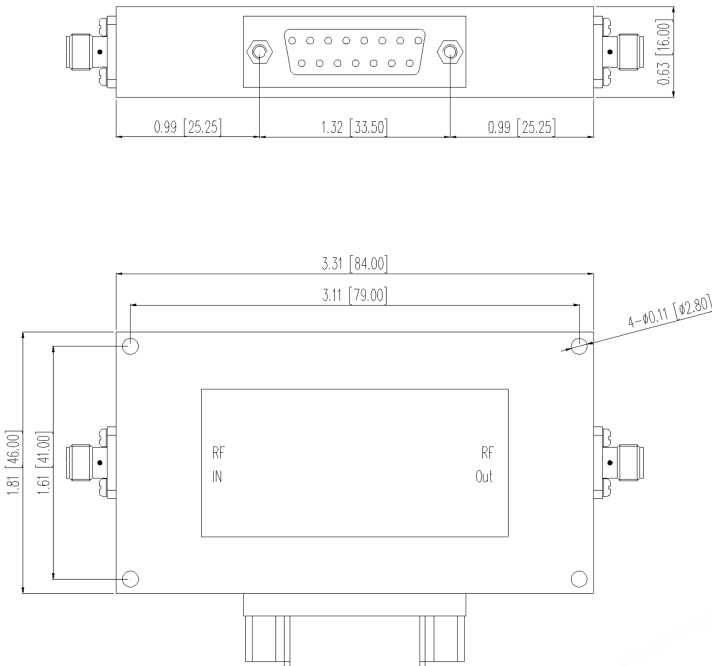
参数Parameter	指标 Value	单位Units
输入输出接口Input /Output Connector	SMA Female	
DC和控制接口DC and control interface	D-sub15 Pin Female	
尺寸 Size	56*36*12	mm
重量 Weight	TBD	g

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+5V (±5%)

外形尺寸Outline Drawing:

Unit: mm(Inches)



D-sub 9 Female Define	
引脚 Pin #	功能Function
1-8	C1-C8
9	GND
10,11	+5
12,13	-5
14,15	GND



真值表Truth Table								
TTL Control Input								Signal Path State
C1	C2	C3	C4	C5	C6	C7	C8	
0	0	0	0	0	0	0	0	Reference
1	0	0	0	0	0	0	1	1.406
0	1	0	0	0	0	1	0	2.812
0	0	1	0	0	1	0	0	5.625
0	0	0	1	0	0	0	0	11.25
0	0	0	0	1	0	0	0	22.5
0	0	0	0	0	1	0	0	45
0	0	0	0	0	0	1	0	90
0	0	0	0	0	0	0	1	180

温度环境 Environmental Conditions:

参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	-45		+85	℃
存储温度 Non-operating Temperature	-55		+125	℃
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号Revision
TURDP8G12G-3608	8-Bit Digital Phase Shifter,8-12GHz,SMA	Rev.1.1