

Model TURSPDT0.4G18GA

Absorption,Broadband GaAs MMIC Switch
0.4-18 GHz,SPDT,SMA

- Feature:
- Ultra Wide Band: 0.4-18 GHz
 - Low Insertion Loss: 2.5 dB Typ
 - Power Handling : 27 dBm
 - High Isolation
 - Switch Type: Absorption

电气特性 Electrical :

参数 Parameter	Min	Typ	Max	单位 Units
频率范围 Frequency range	1-18			GHz
插损 Insertion Loss		2.5	4.5	dB
隔离 Isolation		70		dB
切换速度 Switch Speed		50	100	ns
输入驻波 Input VSWR		1.5		:1
输出驻波 Output VSWR		1.5		:1
最大输入功率 Input RF Power			27	dBm
直流电压 DC Voltage		-5		V DC
直流电流 DC Supply Current		20		mA
控制电平 Control Logic TTL	“0”=Low(0V) ; “1”=High(+5V)			V
阻抗 Impedance	50			Ohms

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	
直流控制接口Control Bias	Solder Pin	
重量 Weight	≤200	g

绝对最大值 Absolute Maximum Ratings:

参数 Parameter	指标 Value
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外形尺寸 Outline Drawing:

Unit: mm(Inches)



真值表 Truth Table

TTL Control Input	Signal Path State
0	J0-J1
1	J0-J2



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

温度环境 Environmental Conditions:

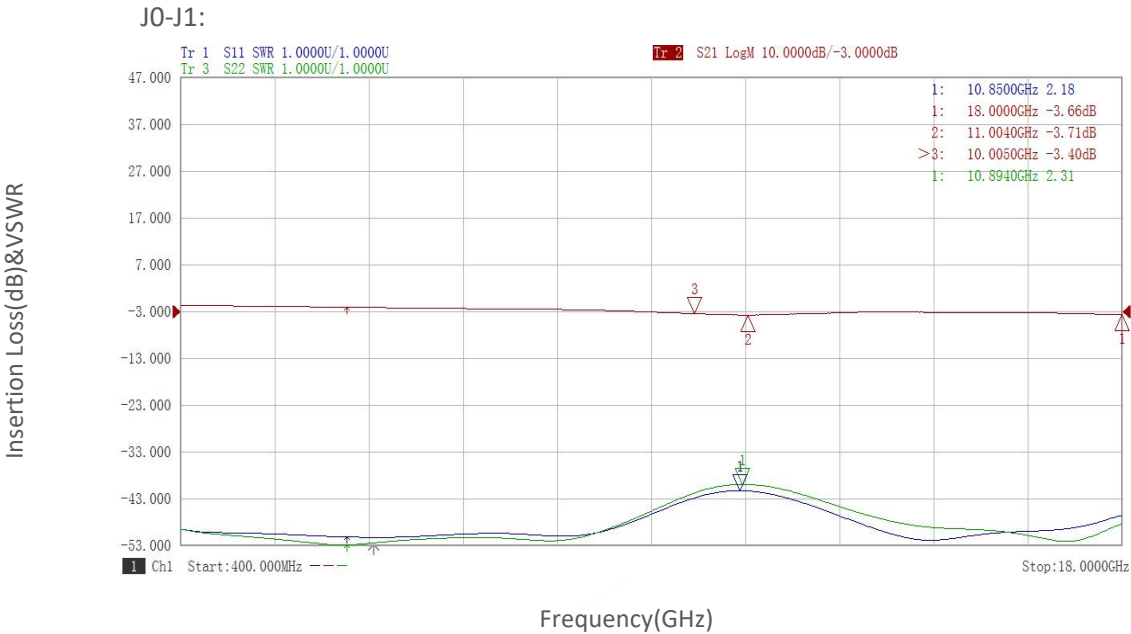
参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature	-25		+85	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc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

订货信息 Ordering Information:

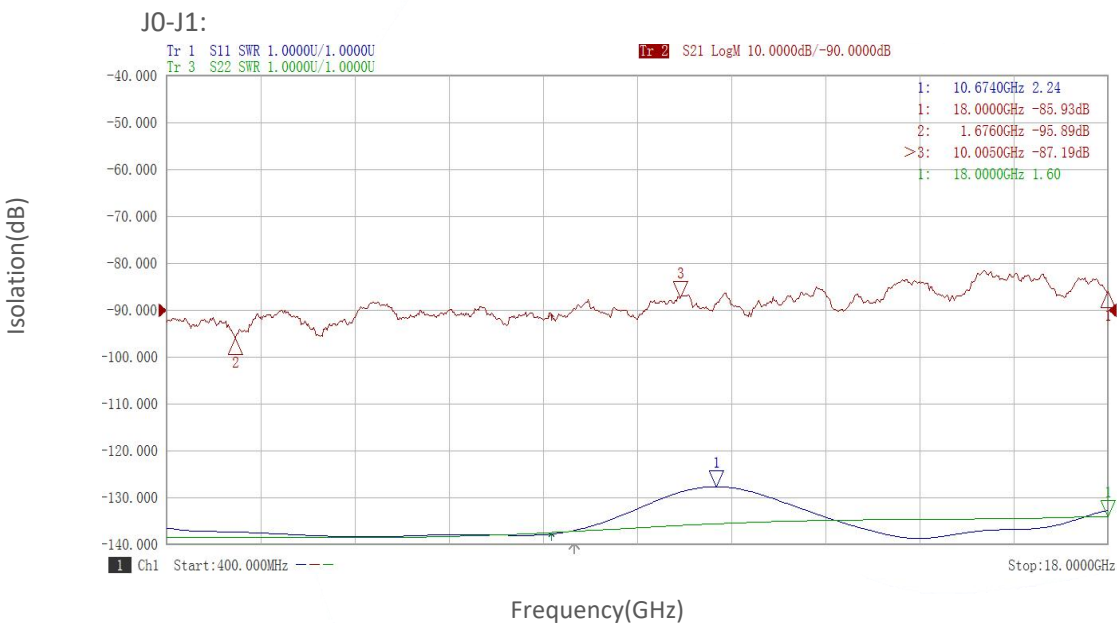
标准型号 Part Number	描述 Description	版本号 Revision
TURSPDT0.4G18GA	Absorption,Broadband GaAs MMIC Switch	Rev.1.1

典型曲线 Typical Performance Data:

Insertion Loss&VSWR vs Frequency

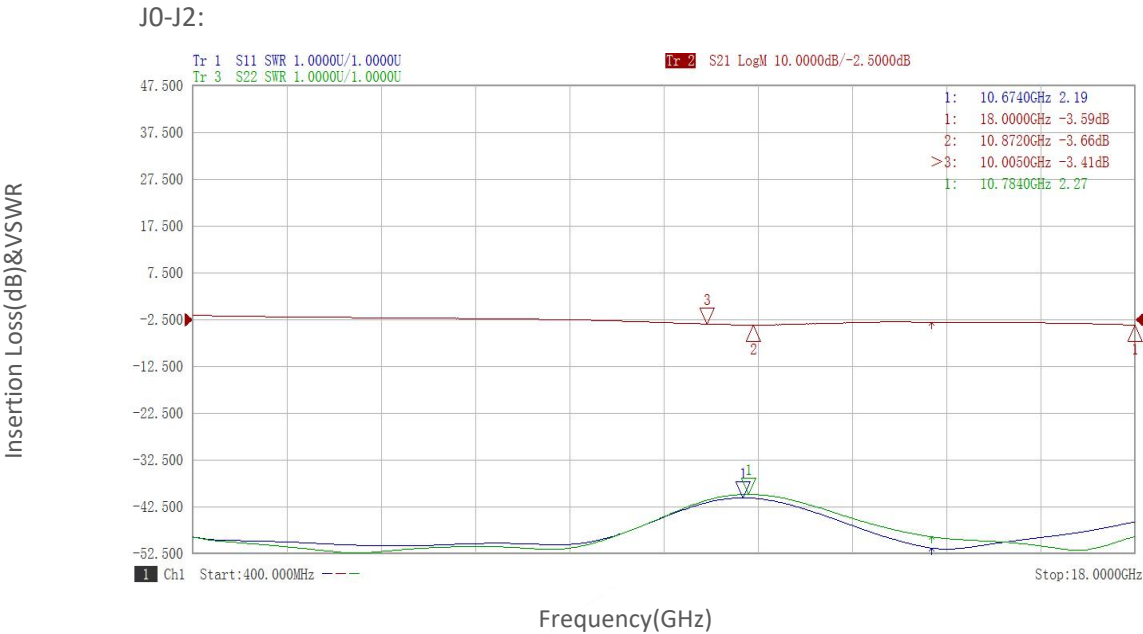


Isolation vs Frequency



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Insertion Loss&VSWR vs Frequency



Isolation vs Frequency

