

SPDT Coaxial Switches

R12-SF12T18-S-01 , SMA , Failsafe , 12VDC , TTL , DC to 18 GHz , -55°C to +85°C , 3 Pin(2.54mm)



电气参数 Electrical Characteristics:

参数Parameter	条件Condition
频率范围 Frequency range	DC-18GHz
阻抗 Impedance	50 Ω
开关模式 Operation mode	Failsafe
开关顺序 Switch sequence	Break before make
切换时间 Switching time	15 ms max
机械寿命 Mechanical life	5 million min
TTL input	0-0.8 V(OFF), 2.4-5 V(ON)
额定电压 Rated voltage	12 VDC
工作电流 Operating current at 23 °C	190 mA



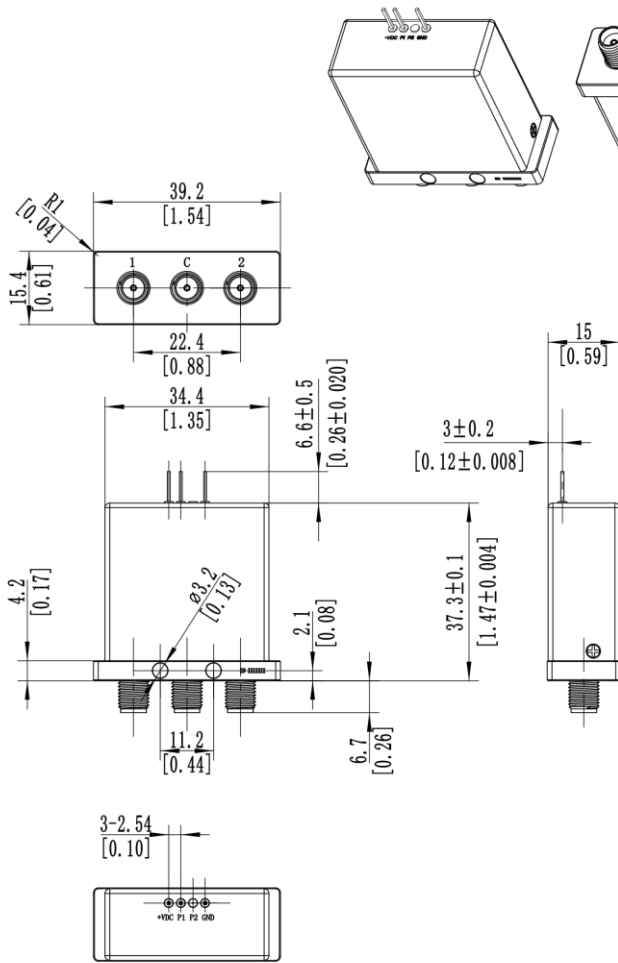
射频特性 RF Specifications:

频率范围 FREQUENCY RANGE(GHz)	DC-6	6-12	12-18
插入损耗 INSERTION LOSS (MAX) dB	0.2	0.25	0.4
隔离度 ISOLATION (MIN) dB	70	70	60
电压驻波比 V.S.W.R. (MAX)	1.2:1	1.3:1	1.4:1

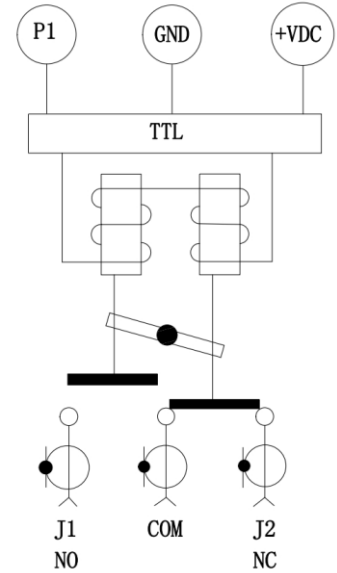
环境和物理特性 Environmental And Physical Characteristics:

参数Parameter	条件 Condition
工作温度范围 Operating temperature range	-55°C to +85°C(Optional)
振动 Sine vibration(Operating)	20-2000Hz , 10g
冲击 Shocks(Non Operating)	50g / 12ms, ½ sine
射频接口 RF Connector type	SMA Female
控制接口 Control connector	3 Pin(2.54mm)
重量 Weight	50g Max

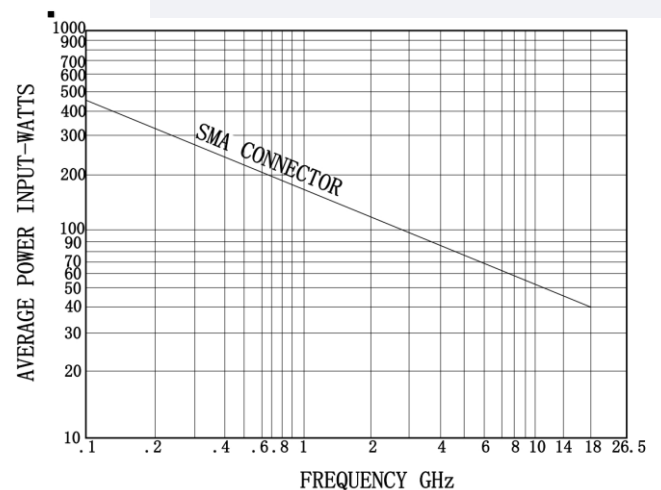
外形尺寸 Outline Drawing: Unit: mm



原理图 Schematic:



功率曲线图 Average power



This graph is based on the following conditions:

- Ambient temperature: + 25 °C
- Sea level
- V.S.W.R.: 1 and cold switching

标准型号 Part Number:

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额定电压
Rated Voltage

可选项 Option

SPDT

R12-SF12T18-01

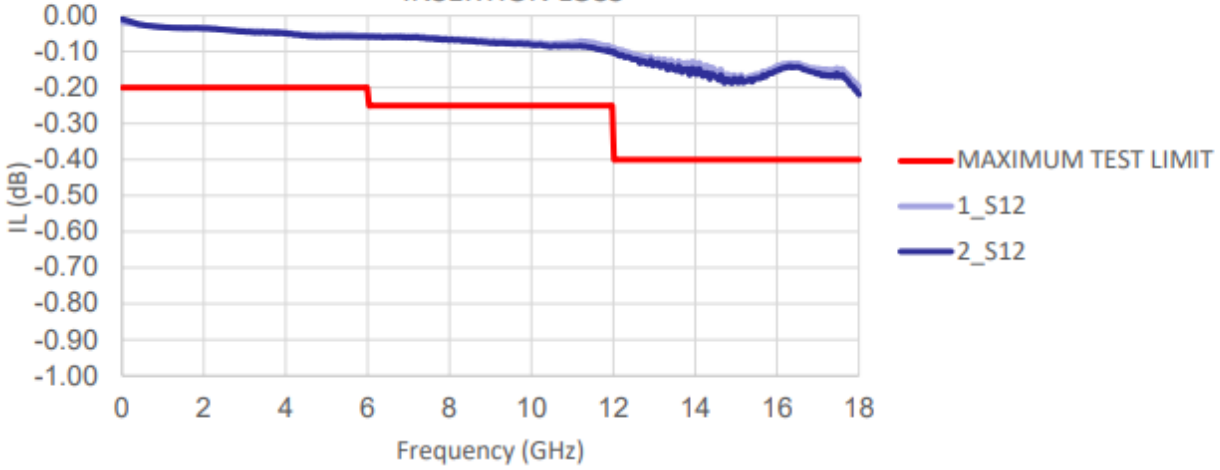
12VDC

-S

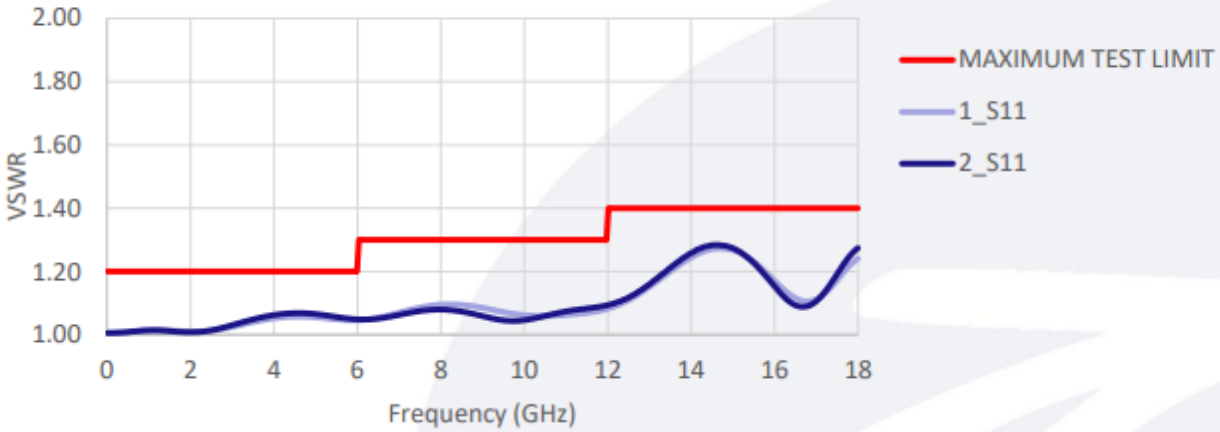
例如:R12-SF12T18-S-01
(备注, S型号满足IP65)

典型曲线 Typical Performance Data:

INSERTION LOSS



VSWR



ISOLATION

