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SPDT , Terminated , Coaxial Switches

R12-SF12018-TI , Coaxial Switches , SPDT , SMA , Failsafe , 12VDC , DC to 18 GHz , Solder Pin , Terminated , Electronic Type Indicator
R12-SF24018-TI , Coaxial Switches , SPDT , SMA , Failsafe , 24VDC , DC to 18 GHz , Solder Pin , Terminated , Electronic Type Indicator
R12-SF28018-TI , Coaxial Switches , SPDT , SMA , Failsafe , 28VDC , DC to 18 GHz , Solder Pin , Terminated , Electronic Type Indicator

电气参数 Electrical Characteristics:

参数 Parameter	条件 Condition
频率范围 Frequency range	DC-18 GHz
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	1 million min
负载功率 Termination power CW	0.5W
额定电压 Rated voltage	12 24 28 VDC
工作电流 Operating current at 23 °C	380 200 170 mA
指示灯额定值 Indicator rating	Electronic Type Indicator Max withstand voltage: 60VDC Max current capacity: 100mA Max "ON" resistance:16Ω Note: VDCi and COM- must be connected to operate.

Available with USB & Ethernet Control

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 Envrionmental And Physical Characteristics:

参数Parameter	条件 Condition
工作温度范围 Operating temperature range	-25°C to +65°C(Standard) -55°C to +85°C(Optional)
振动 Sine vibration(Operating)	20-2000Hz , 10g
冲击 Shocks(Non Operating)	50g / 11ms, ½ sine
射频接口 RF Connector type	SMA Female

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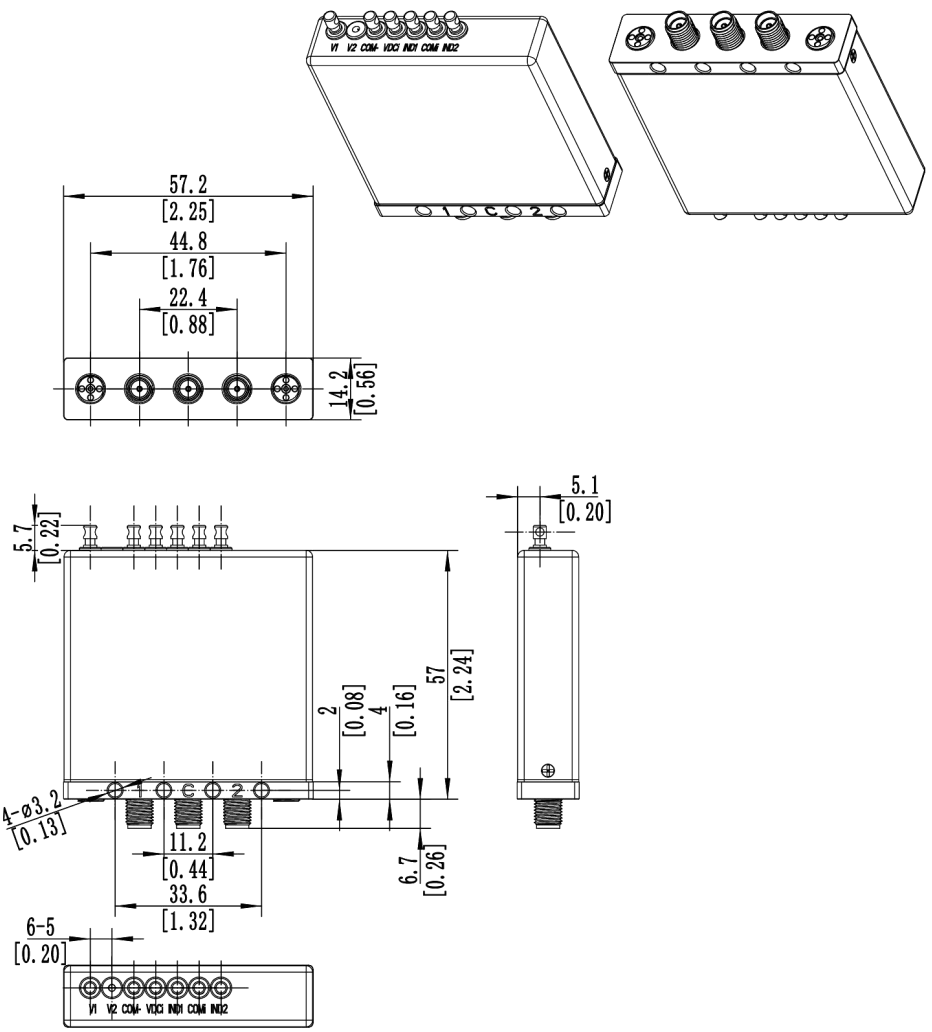
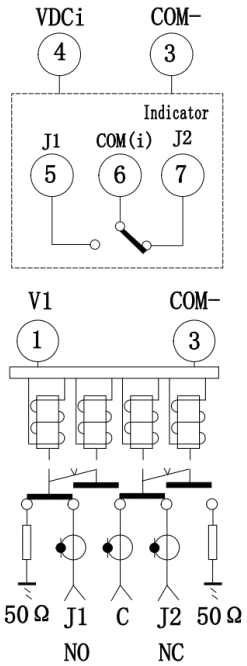
外形尺寸 **Outline Drawing:** Unit: mm



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

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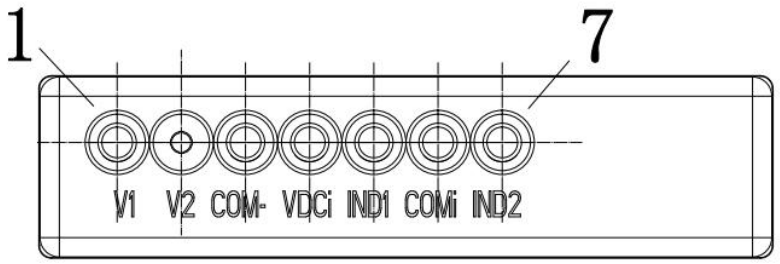
针脚定义 Pin Definition:



Solder Pin		RF Connect Used
Pin NO.	Function	SPDT
1	+VDC	NO:J1-COM
	0	NC:J2-COM
2	UNUSED	
3	COM-	
4	VDCi	
5	1(IND.)	NO:J1-COM
6	COMi(IND.)(V+)	
7	2(IND.)	NC:J2-COM

标准型号 Part Number:

标准型号 Part Number	额定电压 Rated Voltage	可选项 Option
SPDT	12VDC	

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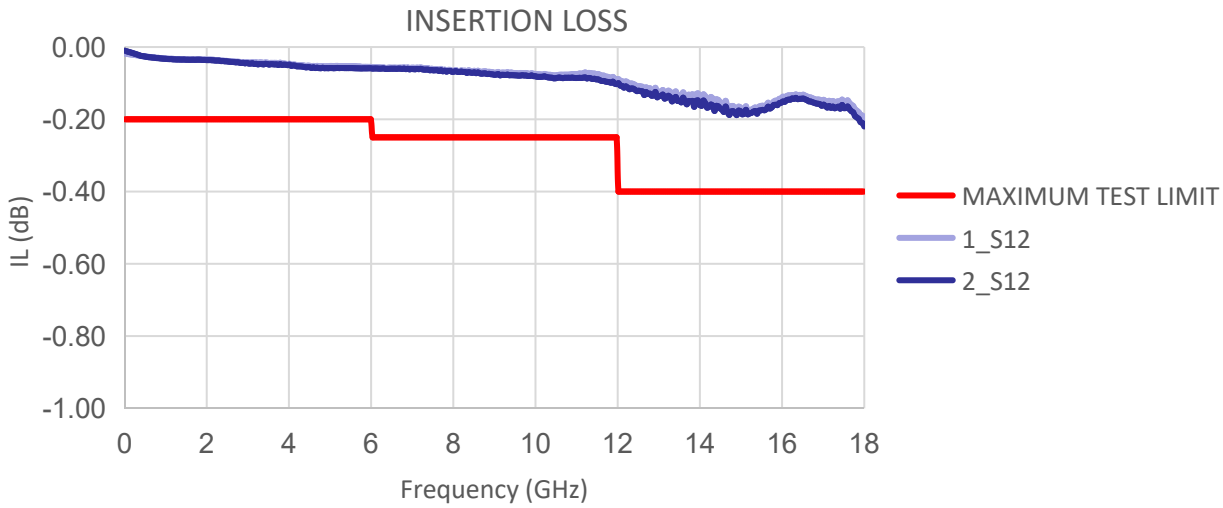
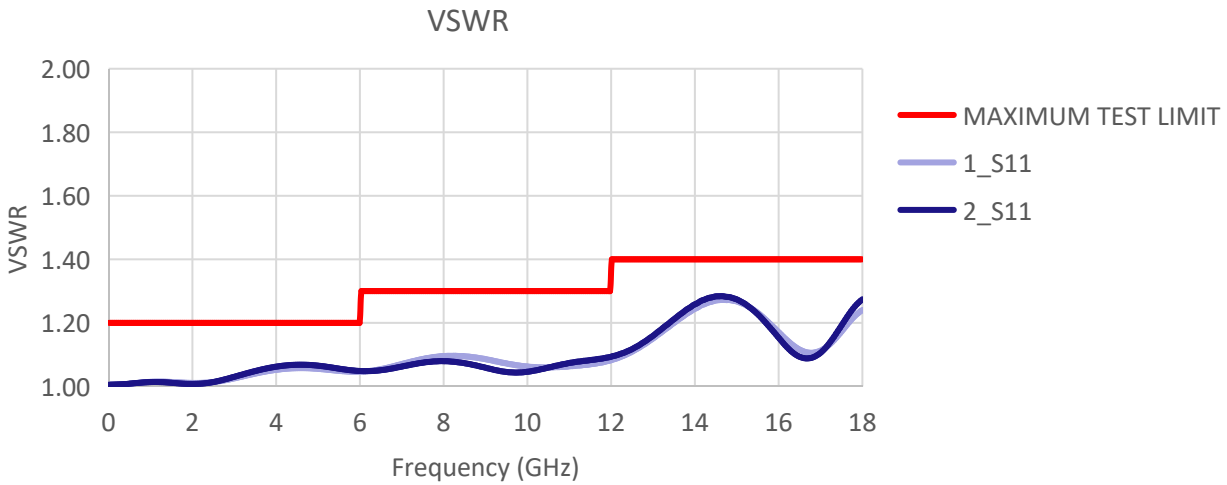
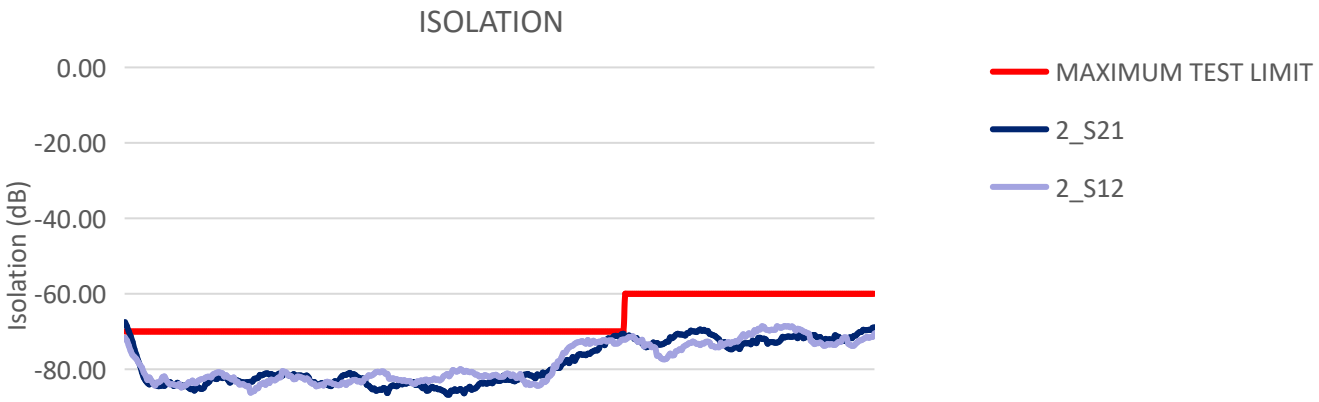
典型曲线 Typical Performance Data:







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