

# 1P7T, Terminated, Coaxial Switches

R17-SL12018-DT, Coaxial Switches, 1P7T, SMA, Latching, 12VDC, DC to 18 GHz, DSUB-15, Terminated  
 R17-SL24018-DT, Coaxial Switches, 1P7T, SMA, Latching, 24VDC, DC to 18 GHz, DSUB-15, Terminated  
 R17-SL28018-DT, Coaxial Switches, 1P7T, SMA, Latching, 28VDC, DC to 18 GHz, DSUB-15, Terminated

## 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	Latching
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	290 150 120 mA



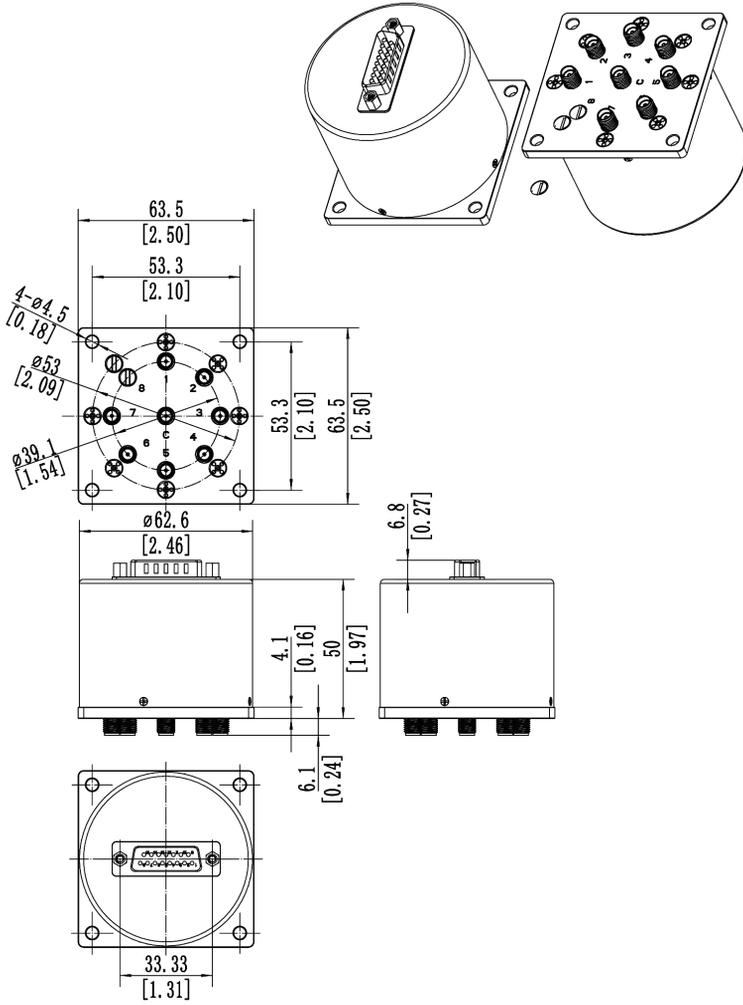
## 射频特性 RF Specifications:

频率范围 FREQUENCY RANGE(GHz)	DC-6	6-12	12-18
插入损耗INSERTION LOSS (MAX) dB	0.3	0.4	0.5
隔离度 ISOLATION (MIN) dB	80	70	60
电压驻波比 V.S.W.R. (MAX)	1.3:1	1.4:1	1.5:1

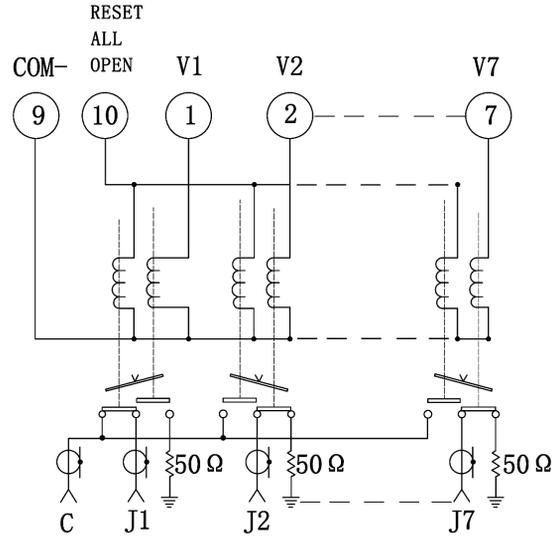
## 环境和物理特性 Environmental And Physical Characteristics:

参数Parameter	条件 Condition
工作温度范围 Operating temperature range	-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

## 外形尺寸 Outline Drawing: Unit: mm



## 原理图 Schematic:

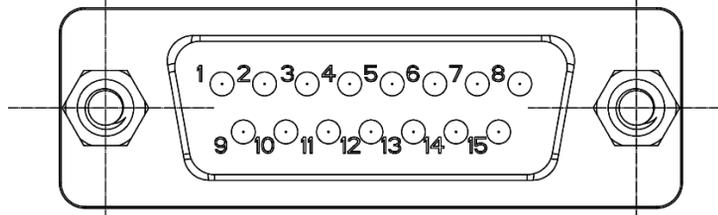


## 功率曲线图 Average power:

This graph is based on the following conditions:

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

## 针脚定义 Pin Definition:



15PIN D-SUB		RF Connect Used
Pin NO.	Function	SP7T
1	V1	1
2	V2	2
3	V3	3
4	V4	4
5	V5	5
6	V6	6
7	V7	7
8	UNUSED	
9	COM-	
10	+ $\Delta$ VDC RESET ALL OPEN	
11-15	UNUSED	

## 标准型号 Part Number:

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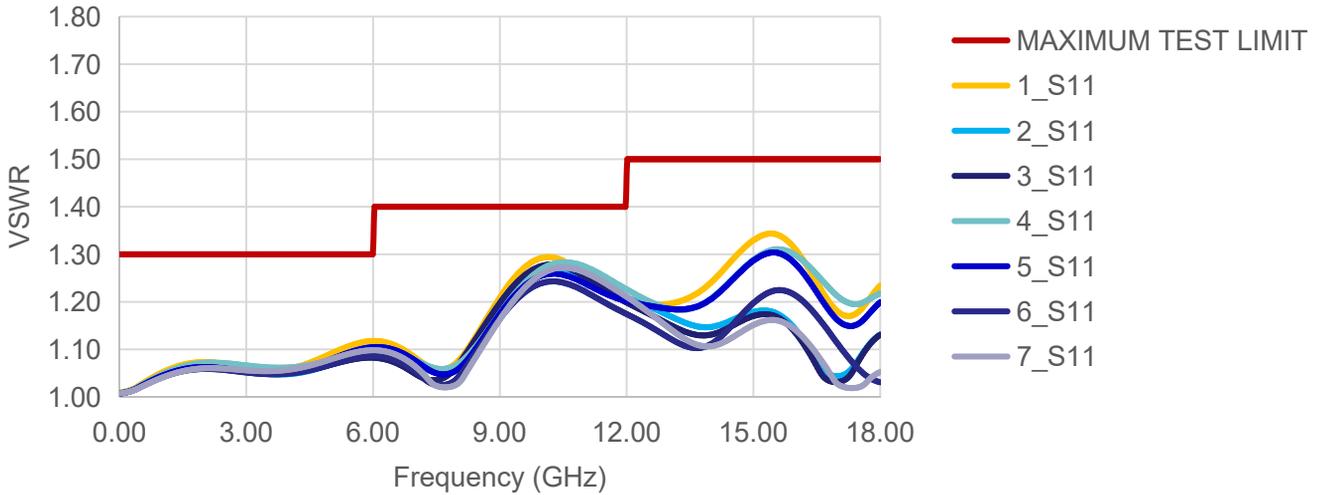
1P7T

额定电压  
Rated Voltage

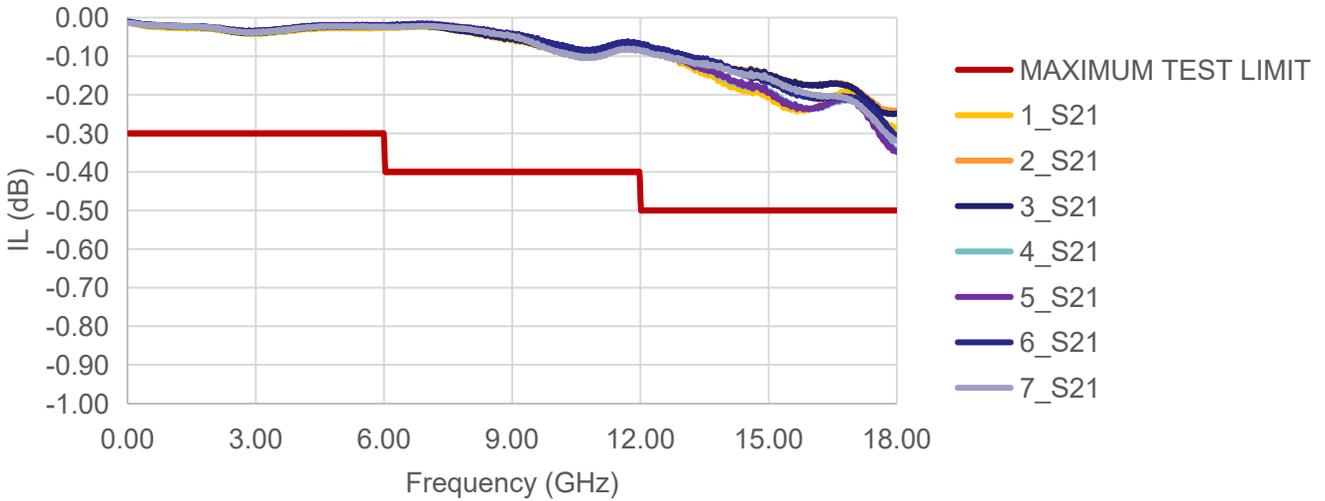
可选项 Option

## 典型曲线 Typical Performance Data:

### VSWR



### INSERTION LOSS



### ISOLATION

