

SP4T , Terminated , Coaxial Switches

R14-KL12T40-DT , Coaxial Switches , 1P4T , K , Latching , 12VDC , TTL , DC to 40 GHz , DSUB-15 , Terminated
R14-KL24T40-DT , Coaxial Switches , 1P4T , K , Latching , 24VDC , TTL , DC to 40 GHz , DSUB-15 , Terminated
R14-KL28T40-DT , Coaxial Switches , 1P4T , K , Latching , 28VDC , TTL , DC to 40 GHz , DSUB-15 , Terminated

电气参数 Electrical Characteristics:

参数 Parameter	条件 Condition		
频率范围 Frequency range	DC-40 GHz		
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		
TTL input	0-0.8 V(OFF), 2.4-5 V(ON)		
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	350	180	160 mA



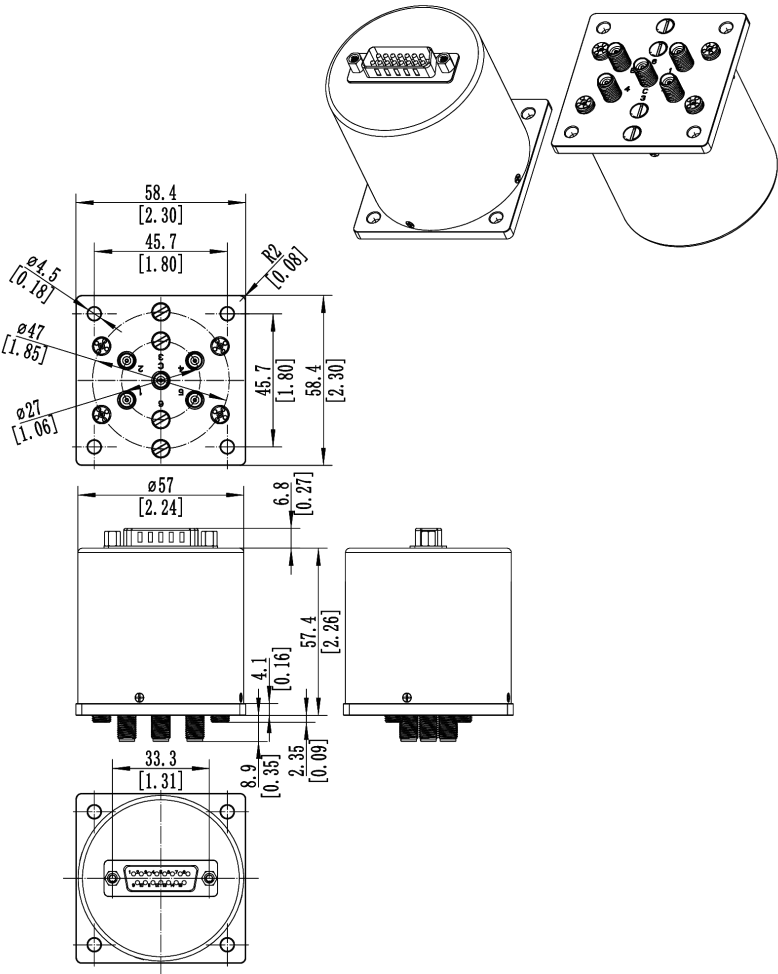
射频特性 RF Specifications:

频率范围 FREQUENCY RANGE(GHz)	DC-6	6-12	12-18	18-32	32-40
插入损耗INSERTION LOSS (MAX) dB	0.3	0.4	0.5	0.8	1.3
隔离度 ISOLATION (MIN) dB	70	60	60	55	50
电压驻波比 V.S.W.R. (MAX)	1.3:1	1.4:1	1.5:1	1.9:1	2.1:1

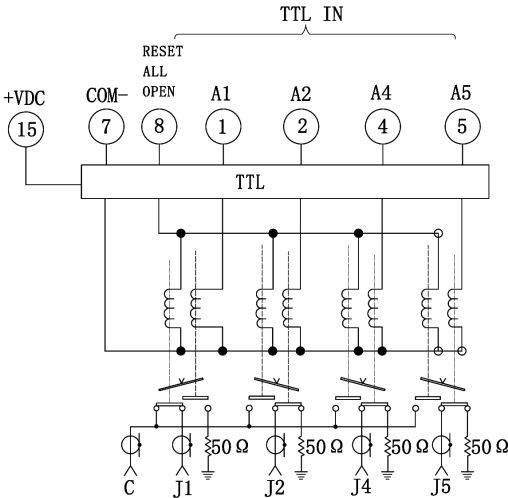
环境和物理特性 Envirionmental And Physical Characteristics:

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 RMS
冲击 Shocks(Non Operating)	50g / 11msec, ½ sine
射频接口 RF Connector type	2.92mm Female

外形尺寸 Outline Drawing: Unit: mm



原理图 Schematic:

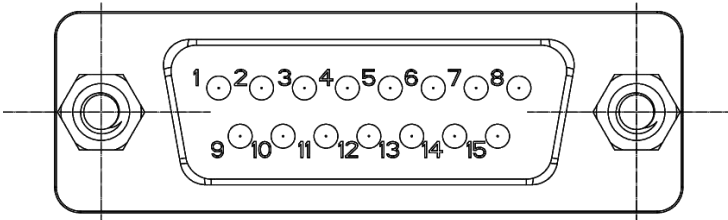


功率曲线图 Average power:

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:



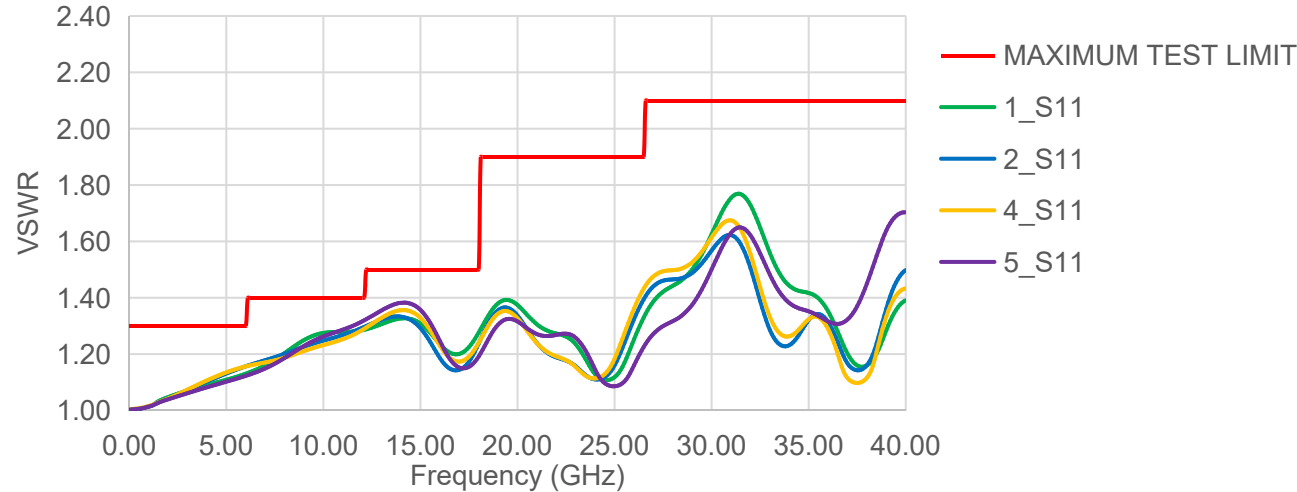
15 PIN D-SUB		RF Connect Used
Pin NO.	Function	SP4T
1	A1(TTL IN)	1
2	A2(TTL IN)	2
3	UNUSED	
4	A4(TTL IN)	4
5	A5(TTL IN)	5
6	UNUSED	
7	COM-	
8	A(TTL IN) RESET ALL OPEN	
15	+VDC	
8-14	UNUSED	

标准型号 Part Number:

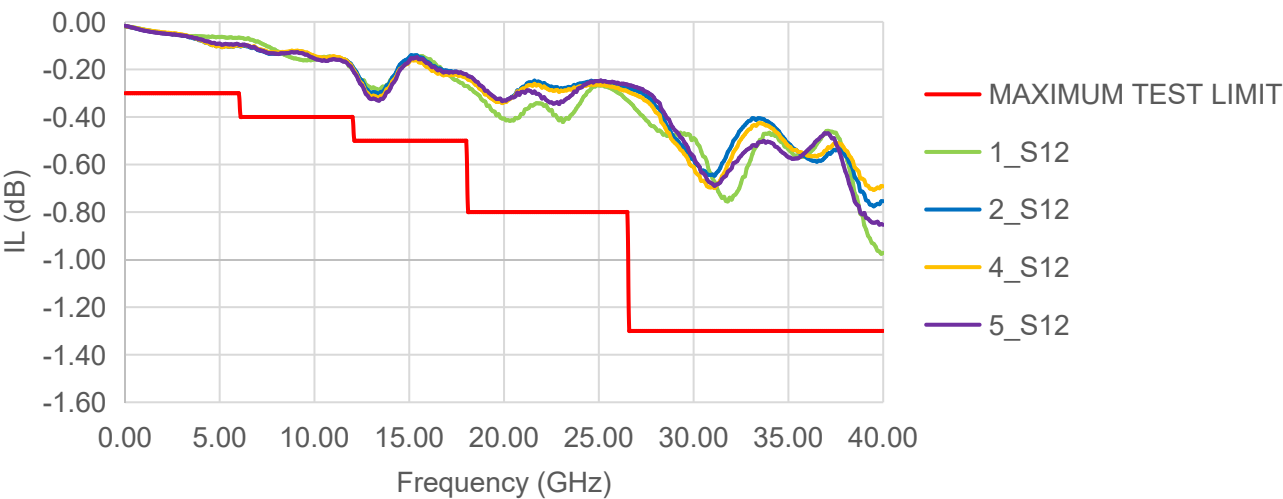
标准型号 Part Number	额定电压 Rated Voltage	可选项 Option
1P4T		
R14-KL12T40-DT	12VDC	-S
	24VDC	

典型曲线 Typical Performance Data:

VSWR



INSERTION LOSS



ISOLATION

