

SP8T Coaxial Switches

R18-SN12T18-D, Coaxial Switches , 1P8T, SMA , Normally open , 12VDC , TTL , DC to 18 GHz , DSUB-15
R18-SN24T18-D, Coaxial Switches , 1P8T, SMA , Normally open , 24VDC , TTL , DC to 18 GHz , DSUB-15
R18-SN28T18-D, Coaxial Switches , 1P8T, SMA , Normally open , 28VDC , TTL , DC to 18 GHz , DSUB-15

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	Normally open		
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)		
额定电压 Rated voltage	12	24	28 VDC
工作电流 Operating current at 23 °C	290	150	130 mA



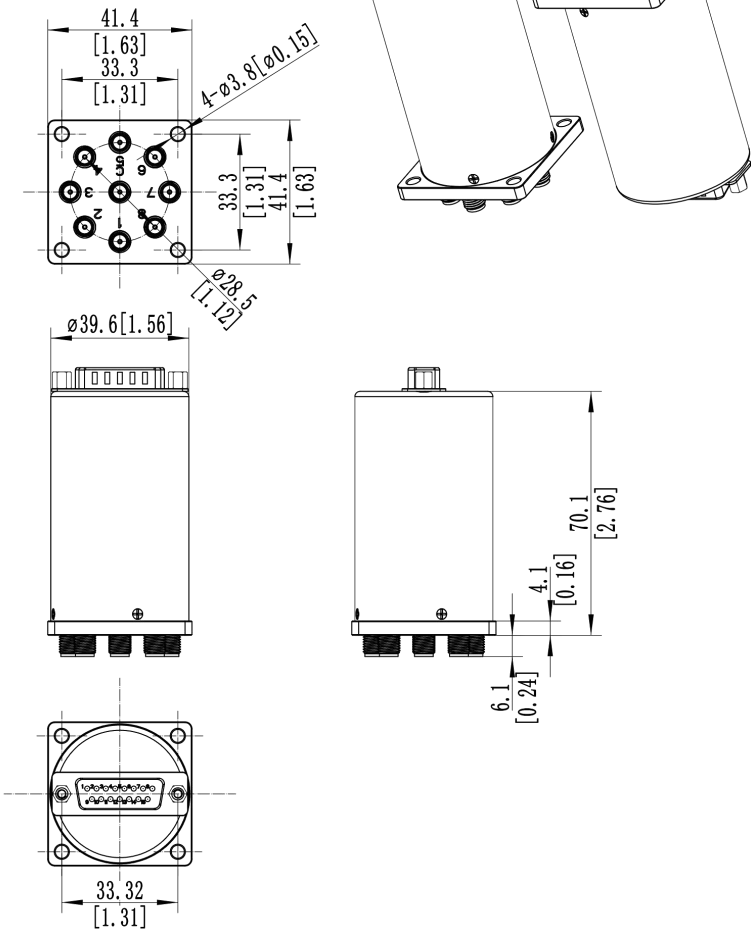
射频特性 RF Specifications:

频率范围 FREQUENCY RANGE(GHz)	DC-4	4-8	8-12.4	12.4-18
插入损耗INSERTION LOSS (MAX) dB	0.2	0.3	0.4	0.6
隔离度 ISOLATION (MIN) dB	75	65	60	60
电压驻波比 V.S.W.R. (MAX)	1.2:1	1.3:1	1.4:1	1.6:1

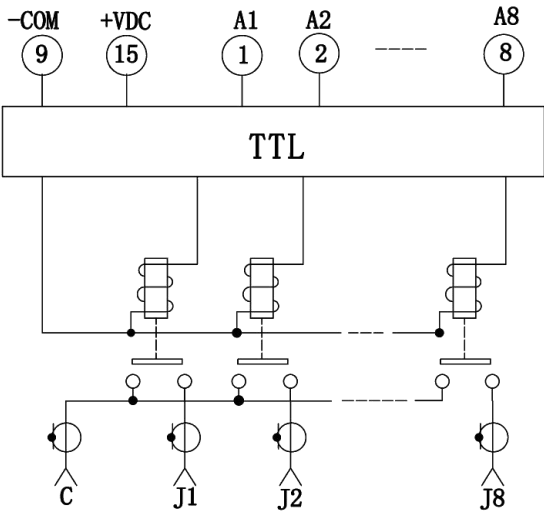
环境和物理特性 Envrionmental And Physical Characteristics:

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

外形尺寸 Outline Drawing: Unit: mm



原理图 Schematic:

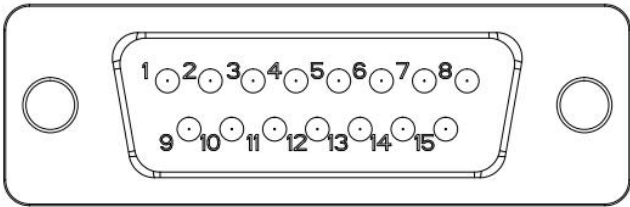


功率曲线图 Average power:

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	SP8T
1	A1(TTL IN)	1
2	A2(TTL IN)	2
3	A3(TTL IN)	3
4	A4(TTL IN)	4
5	A5(TTL IN)	5
6	A6(TTL IN)	6
7	A7(TTL IN)	7
8	A8(TTL IN)	8
9	-COM	
8-14	UNUSED	
15	+VDC	

标准型号 Part Number:

标准型号 Part Number	额定电压 Rated Voltage	可选项 Option
1P8T		
R18-SN12T18-D	12VDC	-S