

SP3T , Terminated , Coaxial Switches

R13-SN12T18-DT , Coaxial Switches , 1P3T , SMA , Normally Open , 12VDC , TTL , DC to 18 GHz , DSUB-15 , Terminated

R13-SN24T18-DT , Coaxial Switches , 1P3T , SMA , Normally Open , 24VDC , TTL , DC to 18 GHz , DSUB-15 , Terminated

R13-SN28T18-DT , Coaxial Switches , 1P3T , SMA , Normally Open , 28VDC , TTL , 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-18 GHz		
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)		
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	300	167	160 mA



射频特性 RF Specifications:

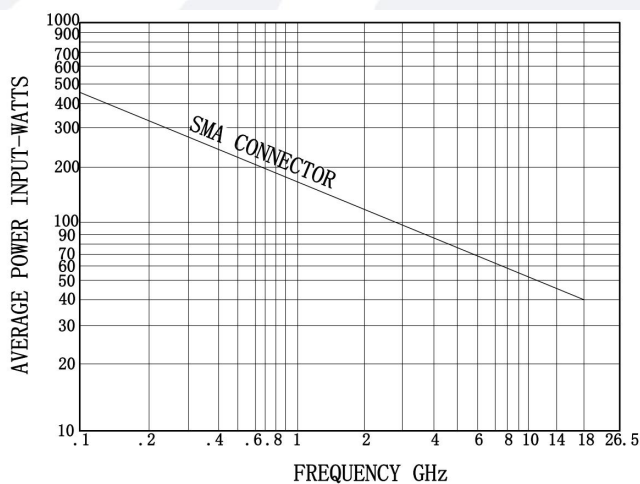
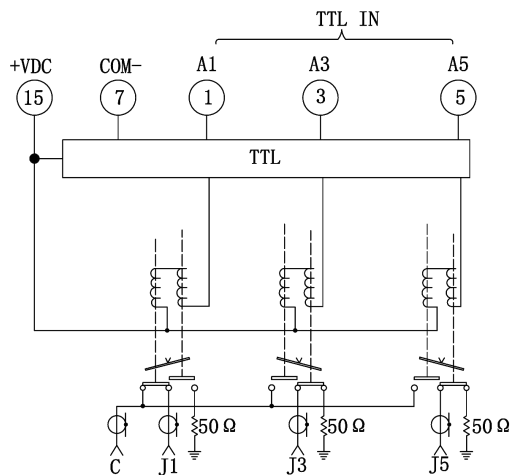
频率范围 FREQUENCY RANGE(GHz)	DC-6	6-12	12-18
插入损耗 INSERTION LOSS (MAX) dB	0.3	0.4	0.5
隔离度 ISOLATION (MIN) dB	80	70	60
电压驻波比 V.S.W.R. (MAX)	1.3:1	1.4:1	1.5:1

环境和物理特性 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 RMS
冲击 Shocks(Non Operating)	50g / 11msec, ½ sine
射频接口 RF Connector type	SMA Female
控制接口 Control connector	D-SUB 15Pin male
重量 Weight	240g Max
外壳颜色 Housing Color	黑色 Black

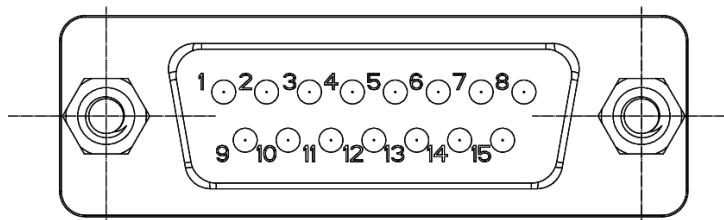
备注：如果客户需要其他外壳颜色，请联系业务备注

原理图 Schematic:



- 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	SP3T
1	A1(TTL IN)	1
2	UNUSED	
3	A3(TTL IN)	3
4	UNUSED	
5	A5(TTL IN)	5
6	UNUSED	
7	COM-	
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
1P3T		
R13-SN12T18-DT	12VDC	-S 例如:R13-SN12T18-DTS (备注, S型号满足IP65)
R13-SN24T18-DT	24VDC	
R13-SN28T18-DT	28VDC	

典型曲线 Typical Performance Data:

