

SP5T Coaxial Switches

R15-KN12T40-DI , Coaxial Switches , 1P5T , 2.92mm , Normally open , 12VDC , TTL , DC to 40 GHz , DSUB-15 , Electronic Type Indicator

R15-KN24T40-DI , Coaxial Switches , 1P5T , 2.92mm , Normally open , 24VDC , TTL , DC to 40 GHz , DSUB-15 , Electronic Type Indicator

R15-KN28T40-DI , Coaxial Switches , 1P5T , 2.92mm , Normally open , 28VDC , TTL , DC to 40 GHz , DSUB-15 , Electronic Type Indicator

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	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	140 mA
指示灯额定值 Indicator rating	Electronic Type Indicator Max withstand voltage: 60VDC Max current capacity: 100mA Max "ON" resistance: 16 Ω Note: VDCi and COM- must be connected to operate.		



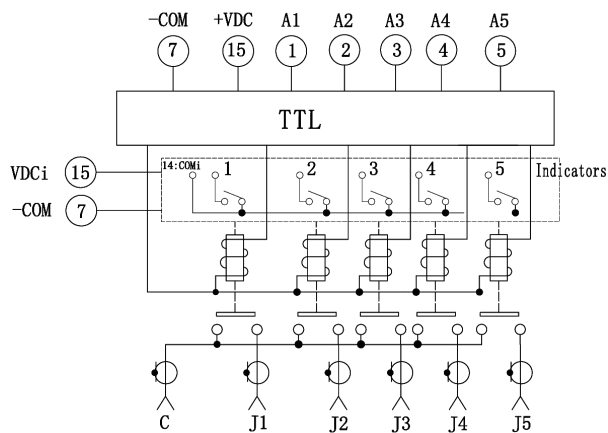
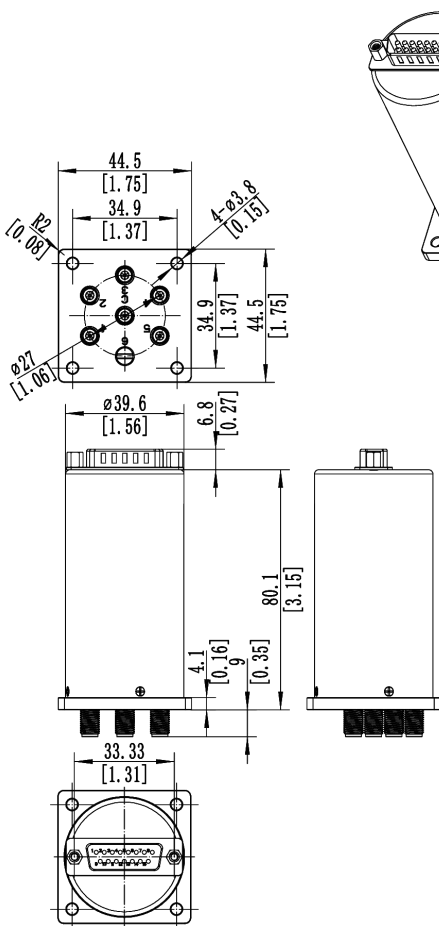
射频特性 RF Specifications:

频率范围 FREQUENCY RANGE(GHz)	DC-6	6-12	12-18	18-26.5	26.5-40
插入损耗 INSERTION LOSS (MAX) dB	0.3	0.4	0.5	0.8	1
隔离度 ISOLATION (MIN) dB	70	60	60	50	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

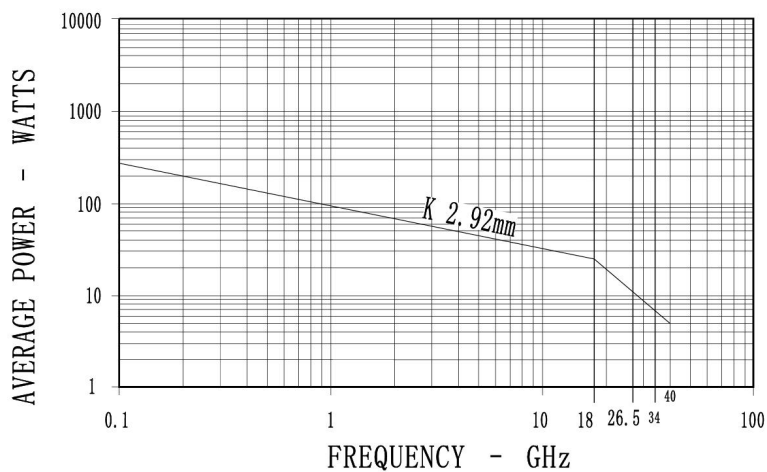
环境和物理特性 Envirionmental And Physical Characteristics:

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
冲击 Shocks(Non Operating)	50g / 11ms, ½ sine
射频接口 RF Connector type	2.92mm Female
控制接口 Control connector	D-SUB 15Pin male
重量 Weight	190g Max

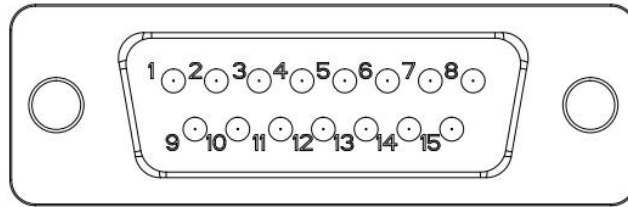
原理图 Schematic:



- This graph is based on the following conditions:



针脚定义 Pin Definition:



15 PIN D-SUB		RF Connect Used
Pin NO.	Function	SP5T
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	UNUSED	
7	-COM	
8	1(IND.)	J1-C
9	2(IND.)	J2-C
10	3(IND.)	J3-C
11	4(IND.)	J4-C
12	5(IND.)	J5-C
13	UNUSED	
14	COMi(IND.)(V+)	
15	+VDC/VDCi	

标准型号 Part Number:

标准型号 Part Number	额定电压 Rated Voltage	可选项 Option
1P5T		
R15-KN12T40-DI	12VDC	-S 例如:R15-KN12T40-DIS (备注, S型号满足IP65)
R15-KN24T40-DI	24VDC	
R15-KN28T40-DI	28VDC	