

SP7T to SP8T Coaxial Switches

R18-KN12T40-DI , Coaxial Switches , 1P8T , 2.92mm , Normally open , 12VDC , TTL , DC to 18 GHz , DSUB-26 , Electronic Type Indicator

R18-KN24T40-DI , Coaxial Switches , 1P8T , 2.92mm , Normally open , 24VDC , TTL , DC to 18 GHz , DSUB-26 , Electronic Type Indicator

R18-KN28T40-DI , Coaxial Switches , 1P8T , 2.92mm , Normally open , 28VDC , TTL , DC to 18 GHz , DSUB-26 , Electronic Type Indicator

电气参数 Electrical Characteristics:

参数Parameter	条件Condition		
频率范围 Frequency range	DC-40GHz		
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:

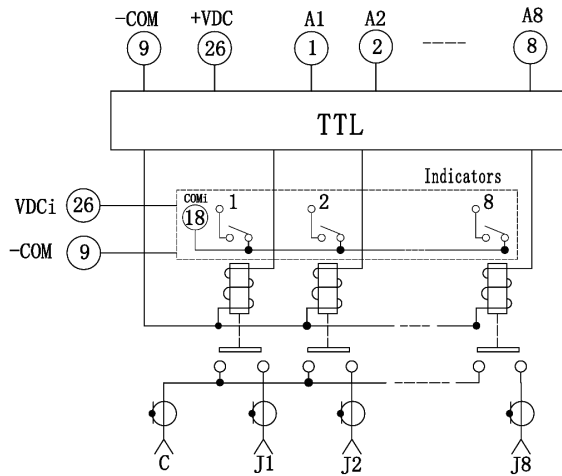
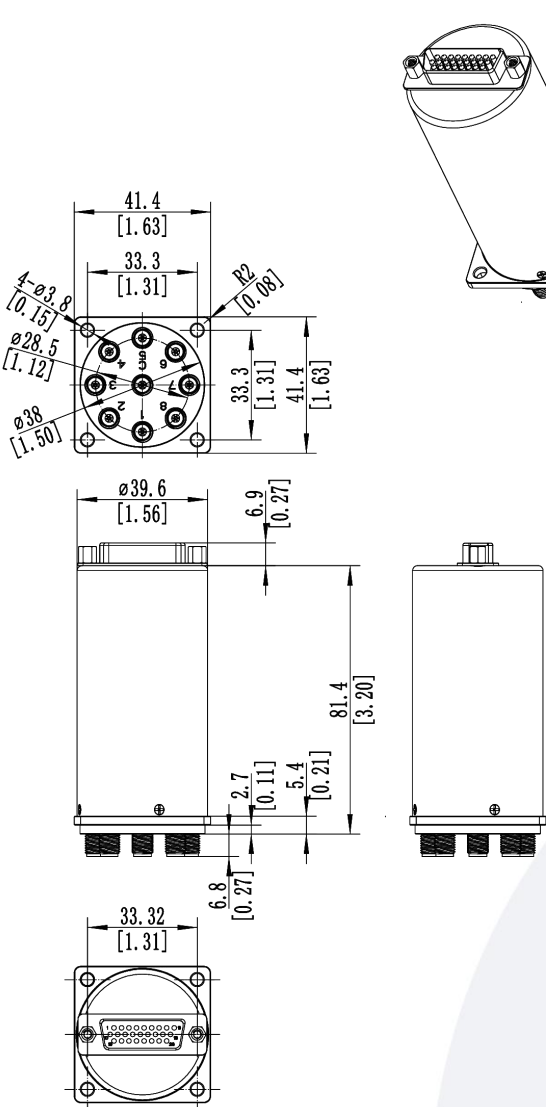
频率范围 FREQUENCY RANGE(GHz)	DC-4	4-8	8-12.4	12.4-18	18-26.5	26.5-40
插入损耗INSERTION LOSS (MAX) dB	0.2	0.3	0.4	0.6	0.8	1.0
隔离度 ISOLATION (MIN) dB	75	65	60	60	55	50
电压驻波比 V.S.W.R. (MAX)	1.2:1	1.3:1	1.4:1	1.6:1	1.8:1	2.0:1

环境和物理特性 Envriomental 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 26Pin male
重量 Weight	185g Max

外形尺寸 Outline Drawing: Unit: mm

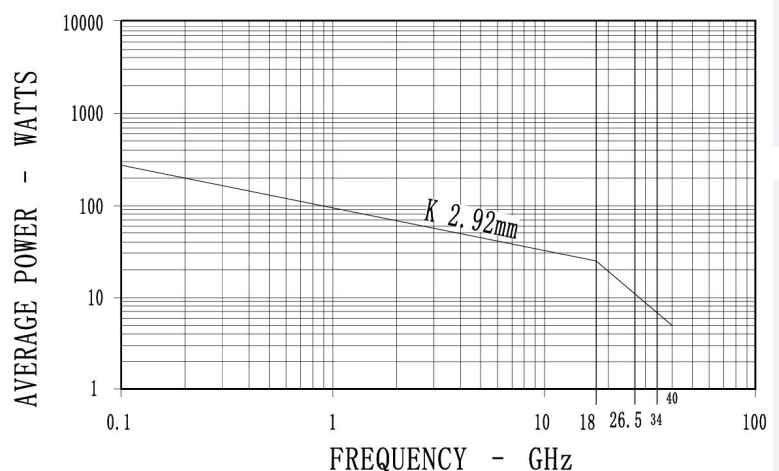
原理图 Schematic:



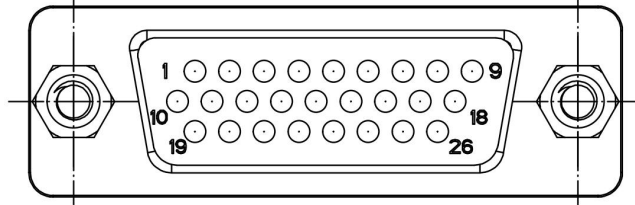
功率曲线图 Average power:

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:



26 PIN D-SUB		RF Connect Used	
Pin NO.	Function	SP7T	SP8T
1	A1(TTL IN)	1	1
2	A2(TTL IN)	2	2
3	A3(TTL IN)	3	3
4	A4(TTL IN)	4	4
5	A5(TTL IN)	5	5
6	A6(TTL IN)	6	6
7	A7(TTL IN)	7	7
8	A8(TTL IN)		8
9	-COM		
10	1(IND.)	J1-C	J1-C
11	2(IND.)	J2-C	J2-C
12	3(IND.)	J3-C	J3-C
13	4(IND.)	J4-C	J4-C
14	5(IND.)	J5-C	J5-C
15	6(IND.)	J6-C	J6-C
16	7(IND.)	J7-C	J7-C
17	8(IND.)		J8-C
18	COMi(IND.)(V+)		
19-25	UNUSED		
26	+VDC/VDCi		

标准型号 Part Number:

标准型号 Part Number		额定电压 Rated Voltage	可选项 Option
1P7T	1P8T		
R17-KN12T40-DI	R18-KN12T40-DI	12VDC	-S 例如:R18-KN12T40-DIS (备注, S型号满足IP65)
R17-KN24T40-DI	R18-KN24T40-DI	24VDC	
R17-KN28T40-DI	R18-KN28T40-DI	28VDC	