

SPDT Coaxial Switches

R12-NL12112-DI, Coaxial Switches, SPDT, N, Latching, 12VDC, Self cutoff & TTL, DC to 12.4 GHz, DSUB-9, Electronic Type Indicator
R12-NL24112-DI, Coaxial Switches, SPDT, N, Latching, 24VDC, Self cutoff & TTL, DC to 12.4 GHz, DSUB-9, Electronic Type Indicator
R12-NL28112-DI, Coaxial Switches, SPDT, N, Latching, 28VDC, Self cutoff & TTL, DC to 12.4 GHz, DSUB-9, Electronic Type Indicator

电气参数 Electrical Characteristics:

参数Parameter	条件Condition		
频率范围 Frequency range	DC-12.4GHz		
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)		
额定电压 Rated voltage	12	24	28 VDC
工作电流 Operating current at 23 °C	310	170	130 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: VDC(i) and COM- must be connected to operate.		



射频特性 RF Specifications:

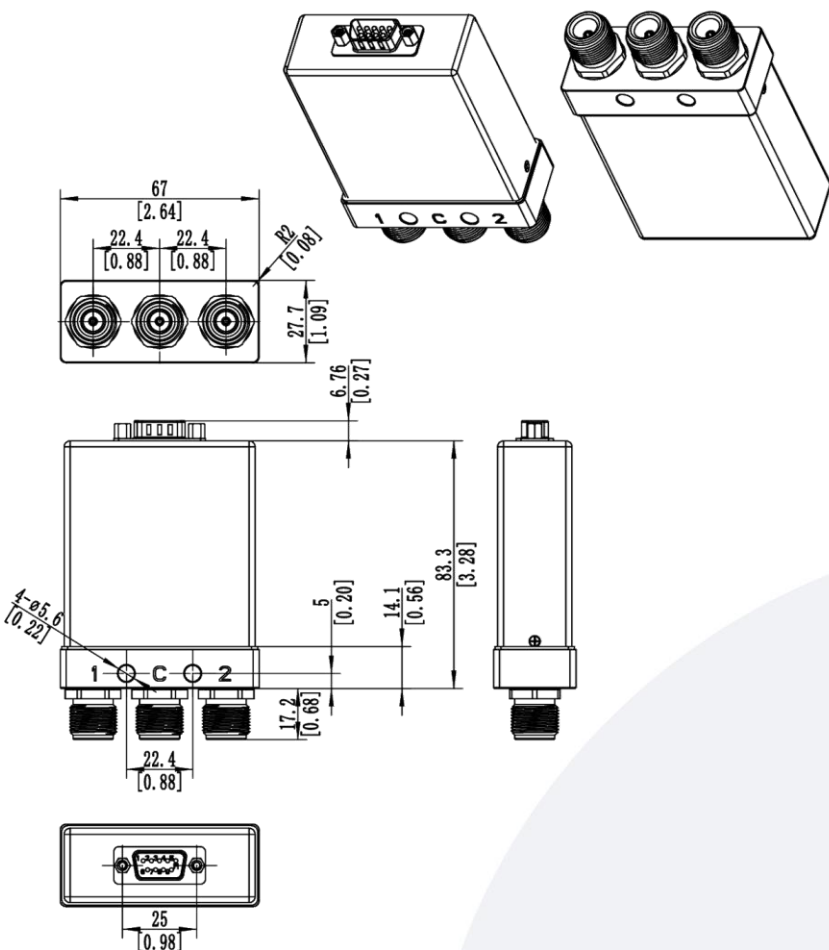
频率范围 FREQUENCY RANGE(GHz)	DC-2	2-4	4-12.4
插入损耗 INSERTION LOSS (MAX) dB	0.2	0.25	0.5
隔离度 ISOLATION (MIN) dB	80	80	60
电压驻波比 V.S.W.R. (MAX)	1.15:1	1.2:1	1.5:1

环境和物理特性 Environmental And Physical Characteristics:

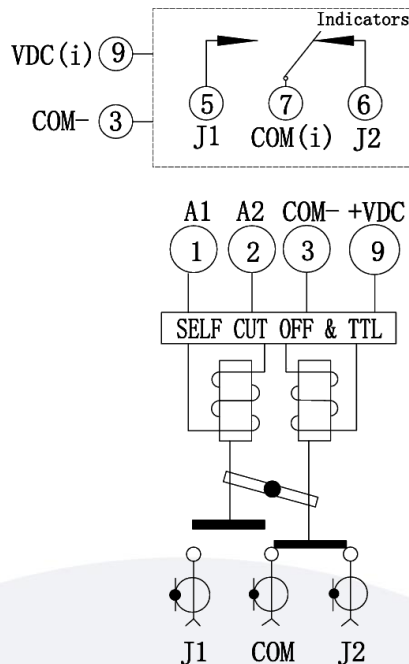
参数Parameter	条件 Condition
工作温度范围 Operating temperature range	-25°C to +65°C(Standard) -55°C to +85°C(Optional)
振动 Sine vibration(Operating)	20-2000Hz , 10g
冲击 Shocks(Non Operating)	50g / 11ms, ½ sine
射频接口 RF Connector type	N Female
控制接口 Control connector	D-SUB 9PIN Male
重量 Weight	260g Max
外壳颜色 Housing Color	浅蓝色 Light Blue

备注：如果客户需要其他外壳颜色，请联系业务备注

外形尺寸 Outline Drawing: Unit: mm



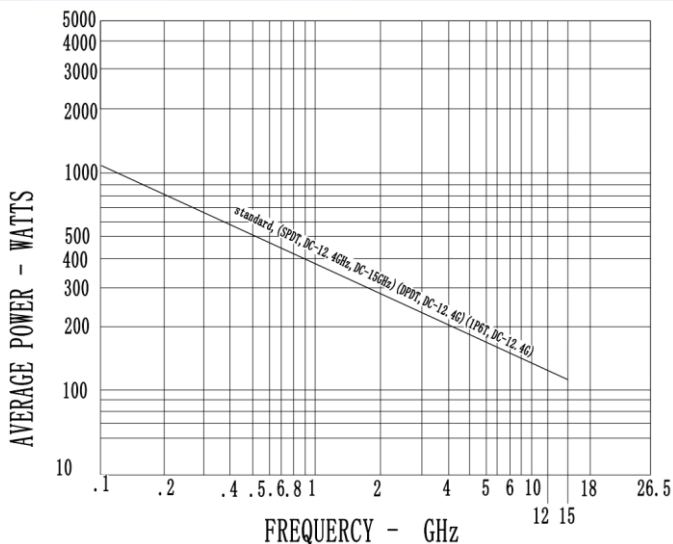
原理图 Schematic:



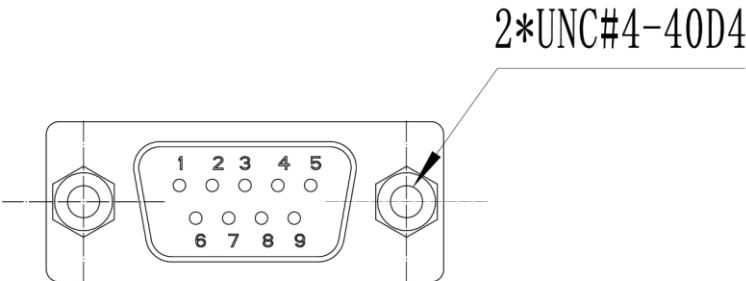
功率曲线图 Average power:

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:



DB9 Male

9 PIN D-SUB		RF Connect Used
Pin NO.	Function	SPDT
1	A1 (TTL IN)	J1-COM
2	A2(TTL IN)	J2-COM
3	COM-	
4	UNUSED	
5	1(IND.)	J1-COM
6	2(IND.)	J2-COM
7	COMi(IND.)(V+)	
8	UNUSED	
9	+VDC/VDC(i)	

标准型号 Part Number:

标准型号 Part Number	额定电压 Rated Voltage	可选项 Option
SPDT		
R12-NL12112-DI	12VDC	-S 例如:R12-NL12112-DIS (备注, S型号满足IP65)
R12-NL24112-DI	24VDC	
R12-NL28112-DI	28VDC	