

0160A0018D711M

Coaxial Switch

18GHz SMA 12VDC SP4T Normally Open TTL D-Sub9 Coaxial Switch

Features

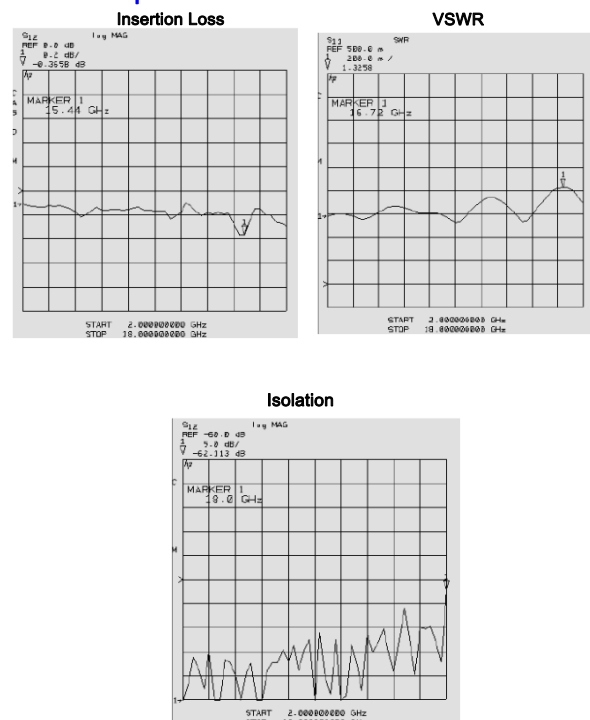
- High Repeatability
- Low VSWR



Electrical Specifications

Frequency	DC-18GHz
VSWR	1.2:1(Max.)@DC-3GHz 1.3:1(Max.)@3-6GHz 1.4:1(Max.)@6-12GHz 1.5:1(Max.)@12-18GHz
Insertion Loss	0.2dB(Max.)@DC-3GHz 0.3dB(Max.)@3-6GHz 0.4dB(Max.)@6-12GHz 0.5dB(Max.)@12-18GHz
Isolation	75dB(Min.)@DC-3GHz 70dB(Min.)@3-6GHz 60dB(Min.)@6-18GHz
Power Handling	85W CW@DC-3GHz 50W CW@3-6GHz 30W CW@6-12GHz 20W CW@12-18GHz
Impedance	50Ohm
Operating Voltage/Current	DC12V/300mA
Operating Life	1,000,000 Cycles (Min.)
Switching Time	15ms
Actuation	Normally Open
Coaxial Connection	SMA Female

Test Report



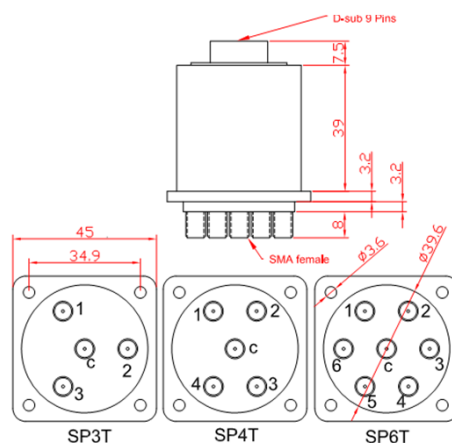
Environmental

Operating Temperature	-40°C~85°C
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Material

Part	Material	Plated
SMA Connector	Brass	Nickel

Outlining Drawing (Unit:mm)



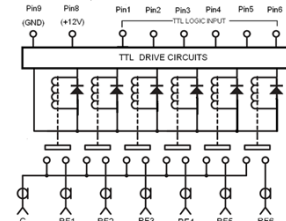
Note: 請將switch固定在具有散熱功能的鋁板上使用
另有含固定鋁板支架款可供選擇

SP3T-SP6T Schematic show



- D-Sub 9Pins
- Pin 1-RF1
- Pin 2-RF2
- Pin 3-RF3
- Pin 4-RF4
- Pin 5-Free
- Pin 6-Free
- Pin 7-Free
- Pin 8-DC12V(+)
- Pin 9-GND

Normally Open with TTL Control



- SP3T-6T 為Normally Open Type (常開型—不能加電壓，RF 通道與C為斷開狀態)，給其中一路能加控制電壓或控制信號，該路信號將與C端導通
- 同一時間只能有一路導通或全部斷開，給二路或以上施加電壓或控制信號將使開關失調，並可能造成切換器損壞
- SP3T-6T 同軸切換器在RF輸入功率<5W時允許熱切換（帶RF功率切換），大於5W的 RF信號應採用 冷切換（不帶RF信號進行切換）方式，否則將縮短切換器的使用壽命