



0160A0018C701M

Coaxial Switch

18GHz SMA 12VDC SP3T Normally Open D-Sub9 Coaxial Switch

Features

- High Repeatability
- Low VSWR



Electrical Specifications

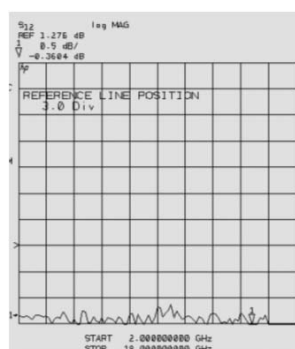
Frequency	DC-18GHz
VSWR	1.2:1(Max.)@DC-3GHz 1.3:1(Max.)@3-6GHz 1.4:1(Max.)@6-12GHz 1.5:1(Max.)@12-18GHz
Insertion Loss	0.2dB(Max.)@DC-3GHz 0.3dB(Max.)@3-6GHz 0.4dB(Max.)@6-12GHz 0.5dB(Max.)@12-18GHz
Isolation	75dB(Min.)@DC-3GHz 70dB(Min.)@3-6GHz 60dB(Min.)@6-18GHz
Power Handling	100W CW@DC-3GHz 80W CW@3-6GHz 50W CW@6-12GHz 40W 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

Environmental

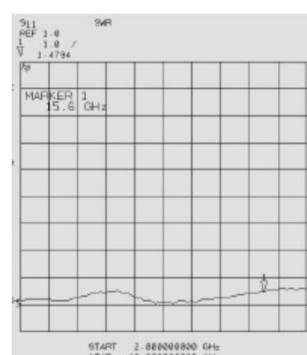
Operating Temperature	-30°C~65°C
-----------------------	------------

Test Report

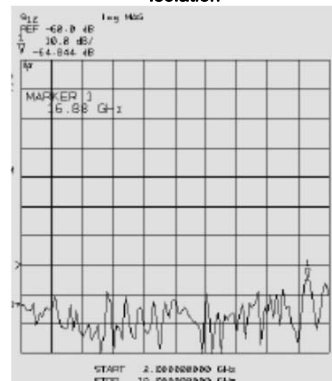
Insertion Loss



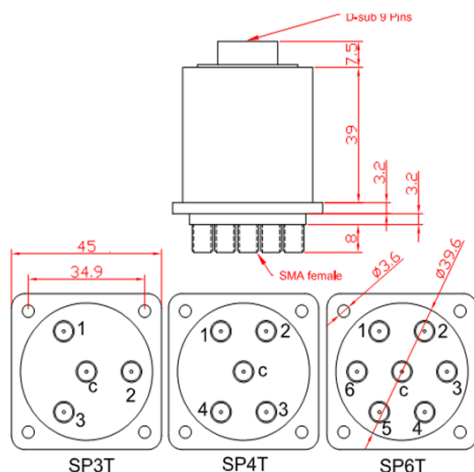
VSWR



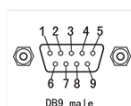
Isolation



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



D-Sub 9Pins

Pin 1-RF1

Pin 2-RF2

Pin 3-RF3

Pin 4-Free

Pin 5-Free

Pin 6-Free

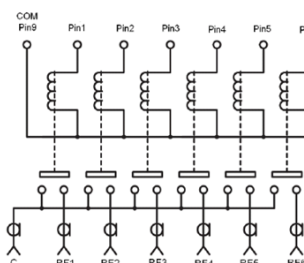
Pin 7-Free

Pin 8-Free

Pin 9-COM

SP3T-6T Schematic show

Normally Open



- 1.SP3T-6T 為Normally Open Type (常開型—不能加電壓，RF 通道與C為斷開狀態)，給其中一路施加控制電壓或控制信號，該路信號將與C端導通
- 2.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去隔離作用，並可能造成切換器損壞
- 3.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

All Specification Changed Without Notification.