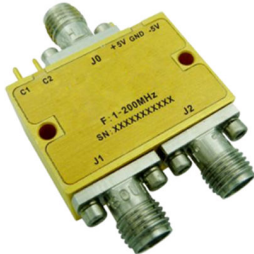


Reflective 1-200MHz Coaxial SP2T Switch



Features

- Wide Band Operation 1-200MHz
- TTL compatible driver included
- Low Insertion Loss and High Isolation
- Customization available upon request

Applications

- Wireless Infrastructure
- Test and measurement Instrument
- Fiber Optics
- 5G Communication
- RF Microwave & VSAT

Parameters	Min	Typ.	Max	Min	Typ.	Max	Units
Frequency Range		1~10			10~200		MHz
Insertion Loss		1.3	2.3		0.6	1.2	dB
Insertion Loss Temperature Coefficient		0.003			0.003		dB/ ° C
Isolation	70	75		70	80		dB
Input VSWR		1.5	1.8		1.18	1.25	: 1
Output VSWR		1.5	1.8		1.18	1.25	: 1
RF Input Power			30			30	dBm
DC Power Dissipation		0.4			0.4		W
0.1dB Compression Point (P0.1dB)		30			30		dBm
IIP3		55			55		dBm
Switching Speed			5.5			5.5	us
Weight			0.71				Ounces
Impedance			50				Ω
Bias Current (+5V / -5V)			80/50				mA
Input / Output Connectors			SMA - Female				
Finish			Gold Plated				
Material			Aluminum				
Sealing			Hermetically Sealed (Optional)				

Reflective 1-200MHz Coaxial SP2T Switch

Absolute Maximum Ratings

Biasing	+5V±10%/-5V±10%
---------	-----------------

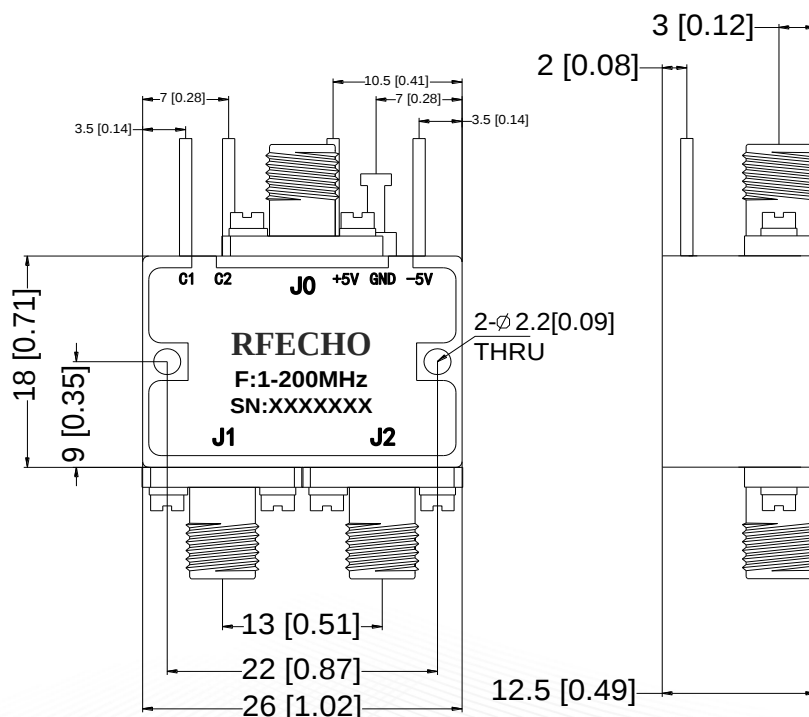
Truth Table

TTL Control Voltage THRESHOLD		Low(0)=0~0.8V High(1)=2.8~5V
Control Input TTL		State
C1	C2	
0	0	OFF
0	1	J0-J1
1	0	J0-J2
1	1	OFF
Control Pin Customization available upon request		

Environmental Specifications

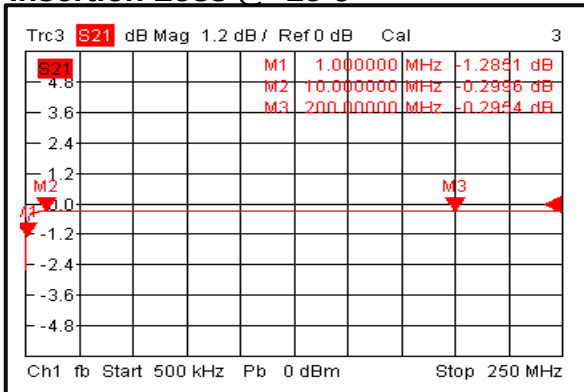
Operational Temperature	-40°C~+85°C
Storage Temperature	-50°C~+105°C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C, 95%RH at 40°C
Shock	20G for 11msec half sine wave, 3 axis both directions

Product Dimensions

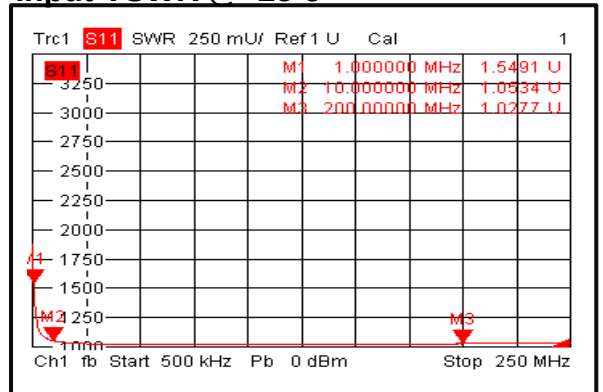


Reflective 1-200MHz Coaxial SP2T Switch

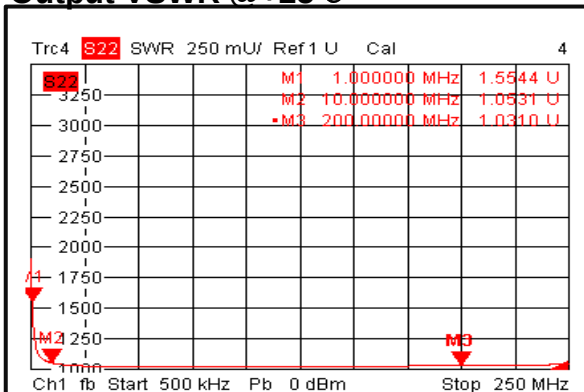
Insertion Loss @+25°C



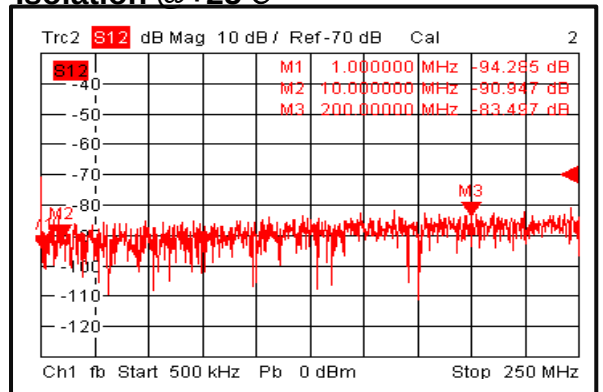
Input VSWR @+25°C



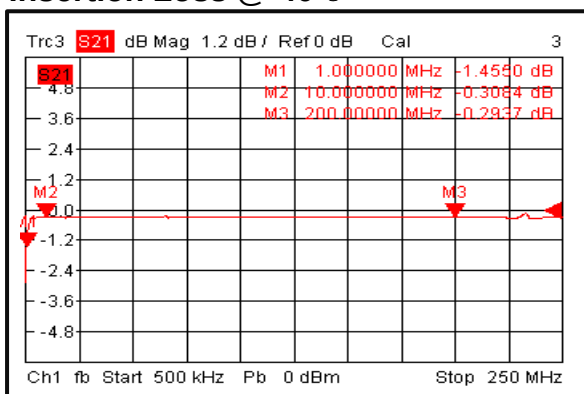
Output VSWR @+25°C



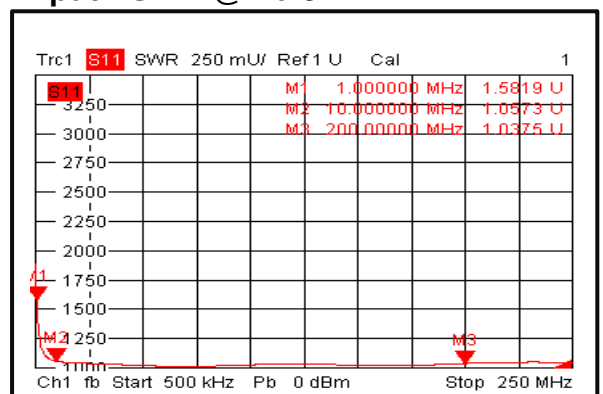
Isolation @+25°C



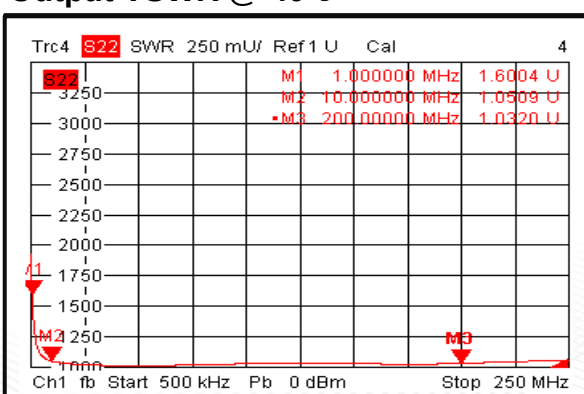
Insertion Loss @-40°C



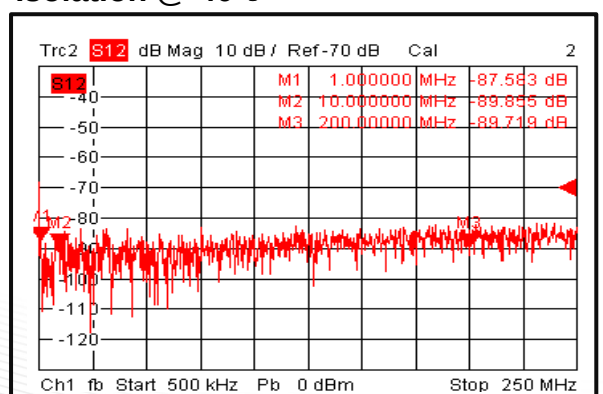
Input VSWR @-40°C



Output VSWR @-40°C

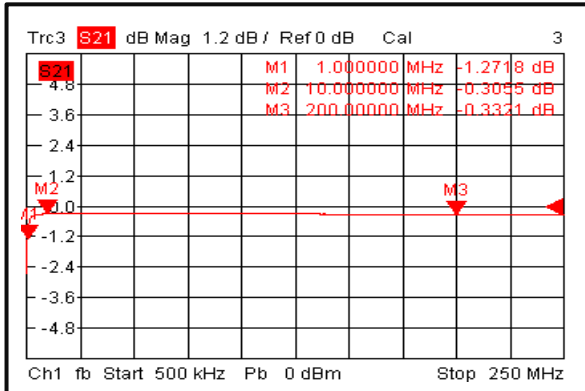


Isolation @-40°C

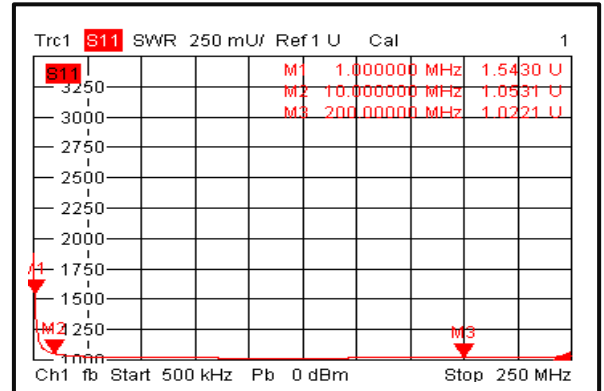


Reflective 1-200MHz Coaxial SP2T Switch

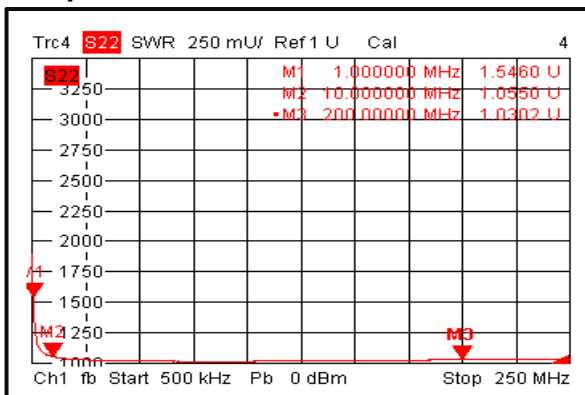
Insertion Loss @+85°C



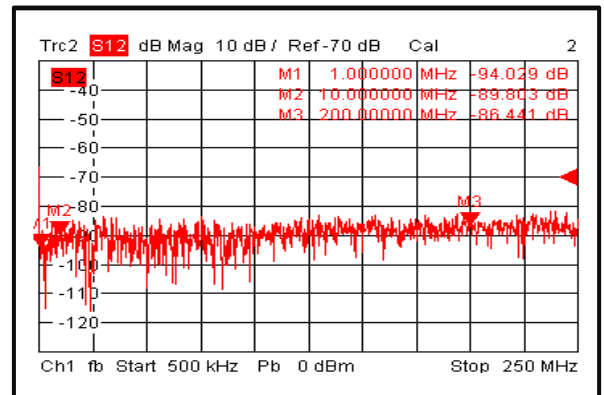
Input VSWR @+85°C



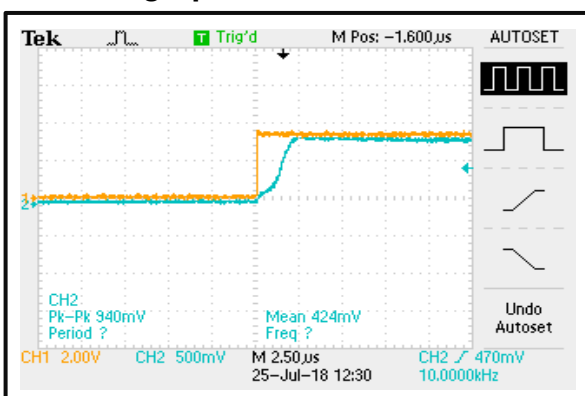
Output VSWR @+85°C



Isolation @+85°C



Switching Speed



Switching Speed

