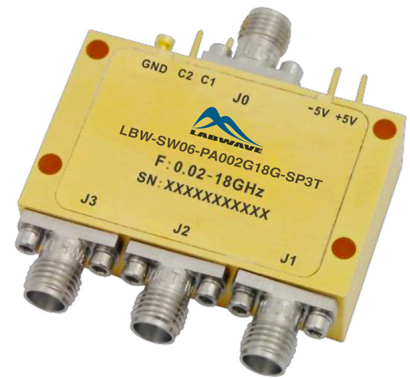


Характеристики:

- Широкий рабочий диапазон 0,02 - 18 ГГц
- Управление через драйвер TTL
- Высокая скорость переключения
- Низкие вносимые потери и высокая изоляция
- Параметры могут быть изменены по запросу



Области применения:

- Беспроводные сети
- 5G сети
- Оборудование для тестирования и измерений
- Микроэлектроника и спутниковая связь
- Оптоволоконные сети

Parameters	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	0.02~6			6~12			12~18			GHz
Insertion Loss		1.8	2.2		4.2	4.5		4.4	4.8	dB
Insertion Loss Temperature Coefficient		0.003			0.003			0.003		dB/ ° C
Isolation	60	80		60	75		60	65		dB
Input VSWR		1.8	2.0		1.5	1.8		1.5	1.8	: 1
Output VSWR		1.6	1.8		1.5	1.8		1.5	1.8	: 1
RF Input power			30			30			30	dBm
Power Dissipation		0.6			0.6			0.6		W
0.1dB Compression Point (P0.1dB)		30			30			30		dBm
IIP3		48			45			43		dBm
Switching Speed	250 Max.									ns
Weight	1.2 Max.									ounces
Impedance	50									Ω
Bias Current (+5V/-5V)	120/50 Max.									mA
Input / Output Connectors	SMA-Female									
Finish	Gold Plated									
Material	Aluminum									
Sealing	Hermetically Sealed (optional)									

Поглощающий коаксиальный переключатель SP3T 20 МГц - 18 ГГц

Absolute Maximum Ratings

Biasing	+5V ± 10%/-5V ± 10% @ 25°C
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Note: TTL pins cannot be connected to the negative voltage otherwise the internal driver will be damaged.

Ordering Information

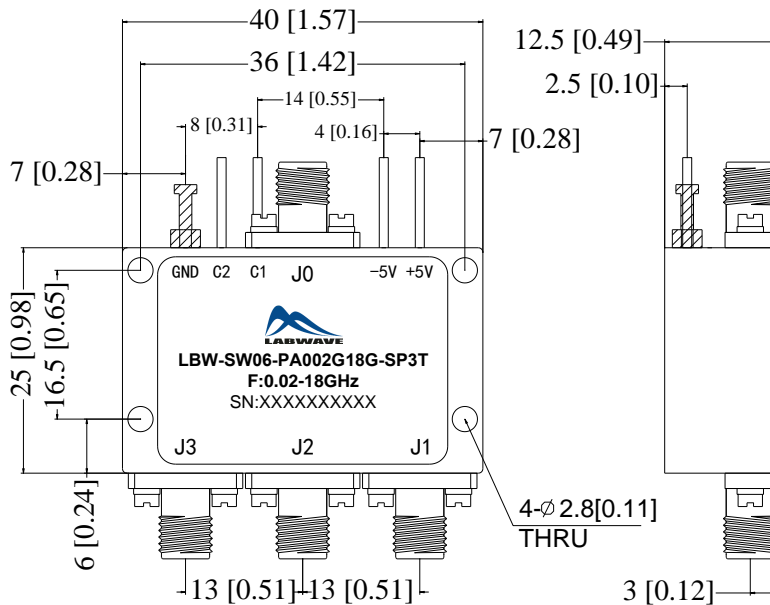
Part No.	Description
LBW-SW06-PA002G18G-SP3T	SP3T 0.02-18GHz PIN Diode Switch

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

Outline Drawing:

All Dimensions in mm (inches)



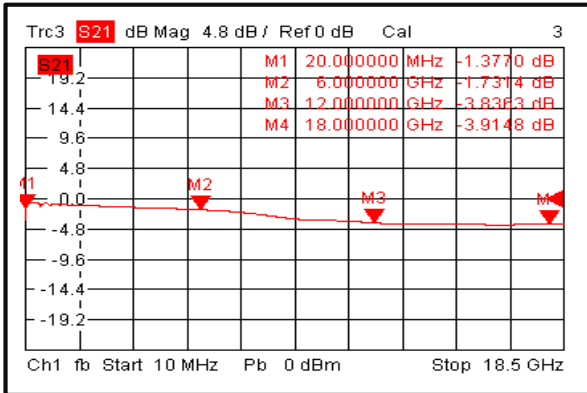
Truth Table

TTL Control Voltage THRESHOLD		Low(0)=0~0.8V	High(1)=2.8~5V
Control Input TTL		Signal Path State	
C1	C2		
0	0	J0-J1	
0	1	J0-J2	
1	0	J0-J3	
1	1	OFF	

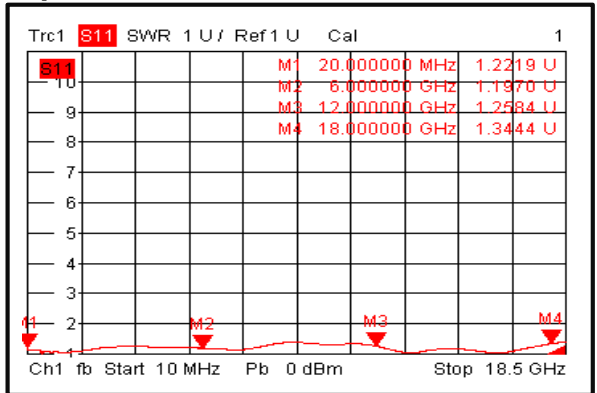
Control Pin Customization available upon request

Поглощающий коаксиальный переключатель SP3T 20 МГц - 18 ГГц

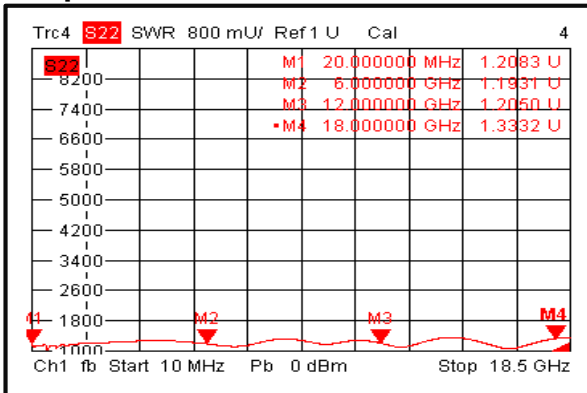
Insertion Loss @+25°C



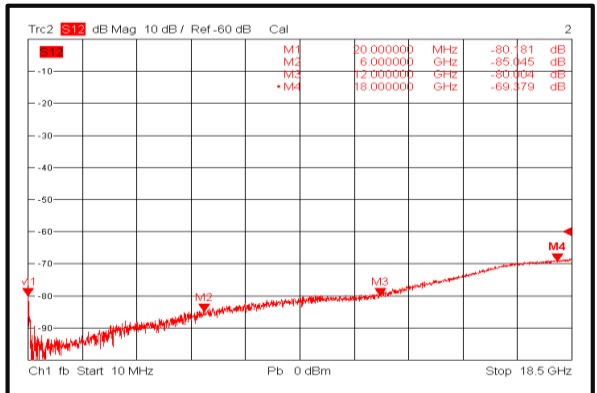
Input VSWR @+25°C



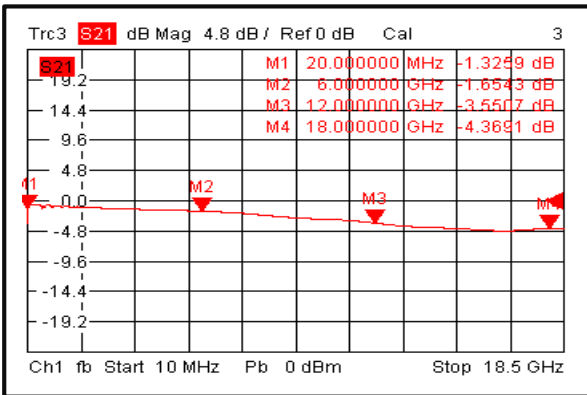
Output VSWR @+25°C



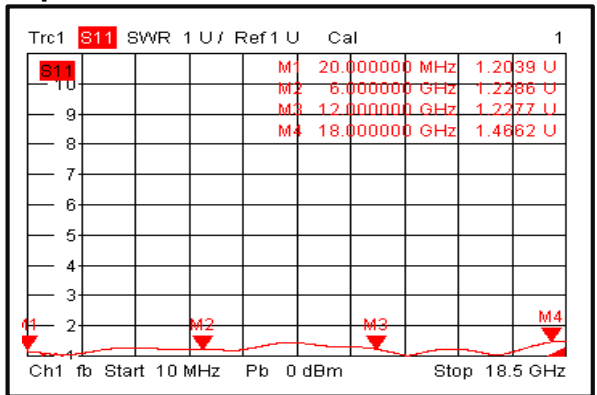
Isolation @+25°C



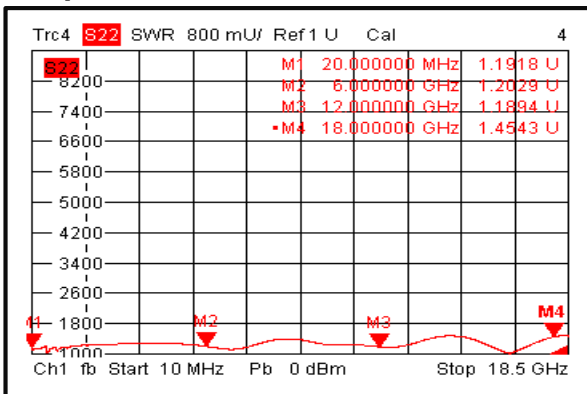
Insertion Loss @-40°C



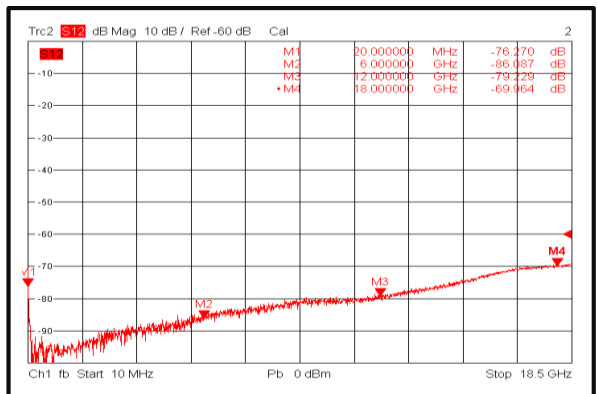
Input VSWR @-40°C



Output VSWR @-40°C

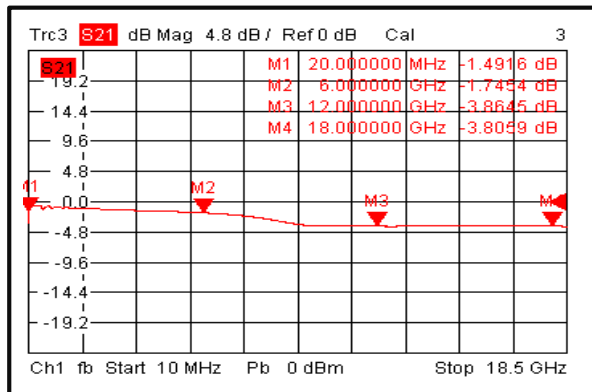


Isolation @-40°C

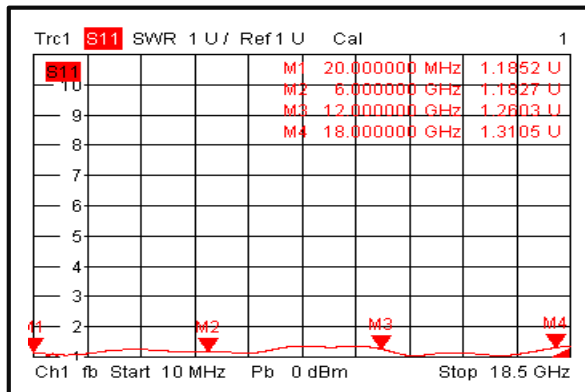


Поглощающий коаксиальный переключатель SP3T 20 МГц - 18 ГГц

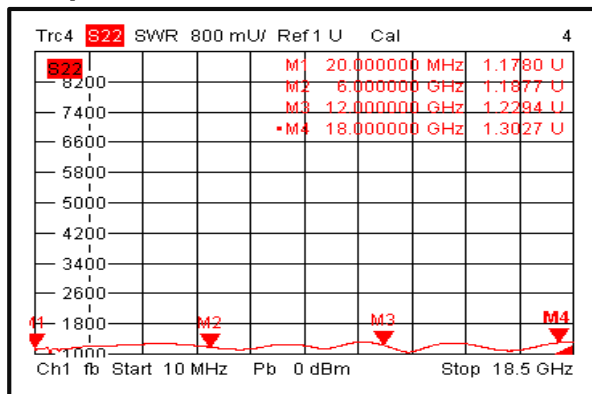
Insertion Loss @+85°C



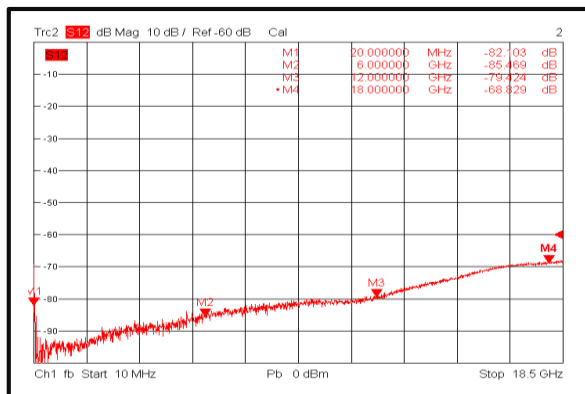
Input VSWR @+85°C



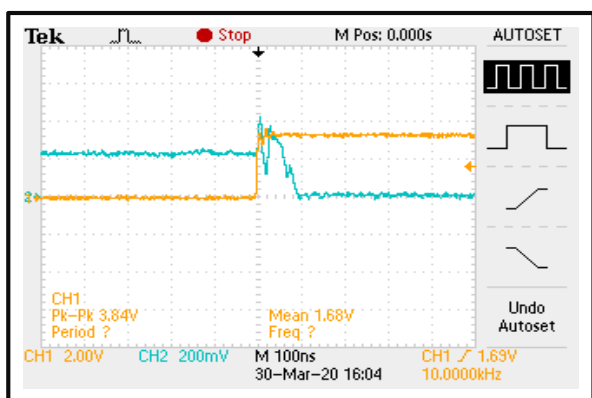
Output VSWR @+85°C



Isolation @+85°C



Switching Speed



Switching Speed

