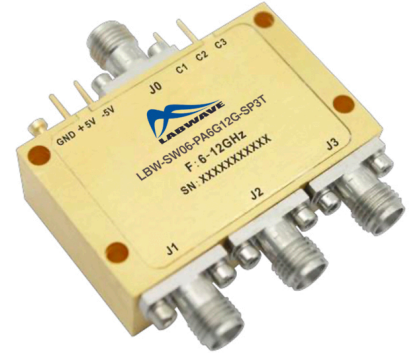


Характеристики:

- Широкий рабочий диапазон 6-12 ГГц
- Управление через драйвер TTL
- Быстрая скорость переключения
- Низкие вносимые потери и высокая изоляция
- Параметры могут быть изменены под требования заказчика



Области применения:

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

Parameters	Min	Typ.	Max	Units
Frequency Range		6-12		GHz
Insertion Loss		2.0	2.4	dB
Insertion Loss Temperature Coefficient		0.003		dB/ °C
Isolation	60	75		dB
Input VSWR		1.35	1.5	: 1
Output VSWR		1.35	1.5	: 1
RF Input power			30	dBm
DC Power Dissipation		0.6		W
0.1dB Compression Point (P0.1dB)		30		dBm
IIP3		43		dBm
Switching Speed		100 Max.		ns
Weight		1.5 Max.		ounces
Impedance		50		Ω
Bias Current (+5V/-5V)		120/50 Max.		mA
Input / Output Connectors	SMA-Female			
Finish	Gold Plated			
Material	Aluminum			
Sealing	Epoxy Sealed (Standard) Hermetically Sealed (Optional)			

Поглощающий коаксиальный переключатель SP3T 6 - 12 ГГц

Absolute Maximum Ratings

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

Ordering Information

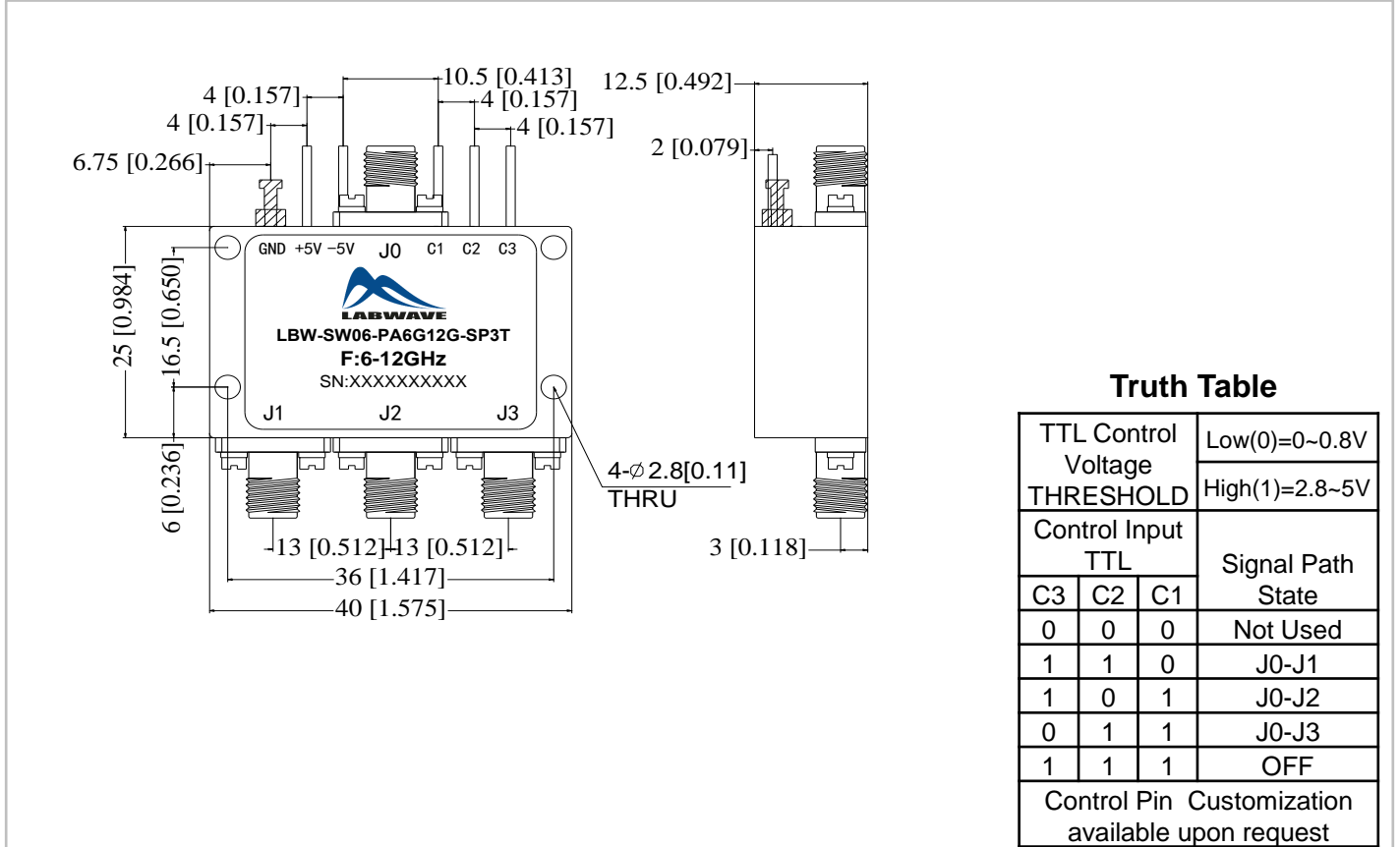
Part No.	Description
LBW-SW06-PA6G12G-SP3T	SP3T 6-12GHz PIN Diode Switch

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)



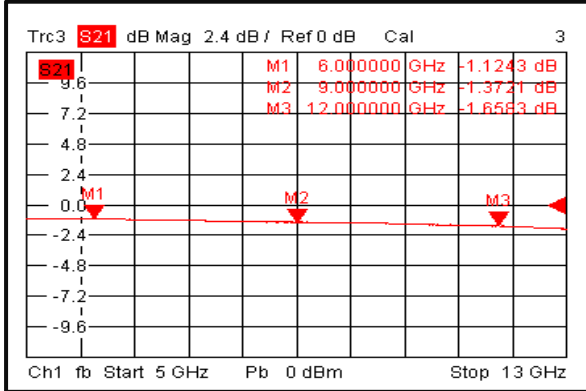
Truth Table

TTL Control Voltage THRESHOLD			Low(0)=0~0.8V
Control Input TTL			High(1)=2.8~5V
C3	C2	C1	Signal Path State
0	0	0	Not Used
1	1	0	J0-J1
1	0	1	J0-J2
0	1	1	J0-J3
1	1	1	OFF

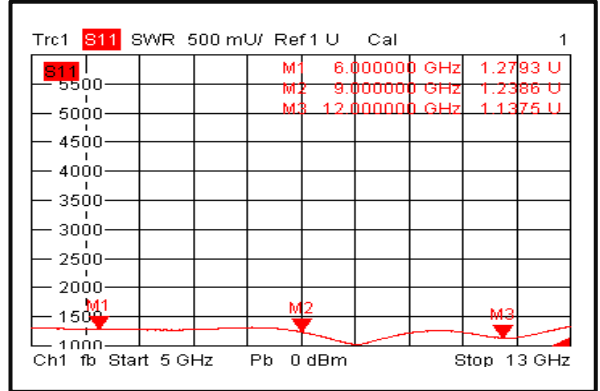
Control Pin Customization available upon request

Поглощающий коаксиальный переключатель SP3T 6 - 12 ГГц

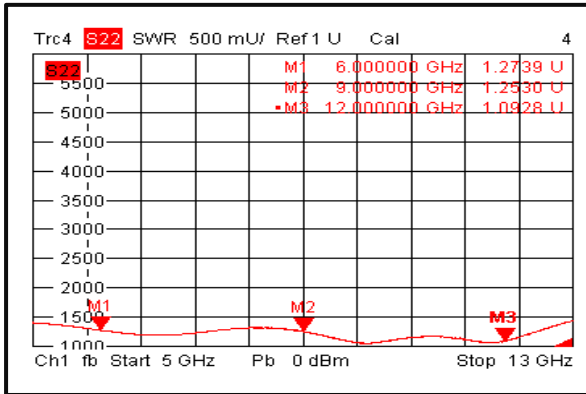
Insertion Loss @+25°C



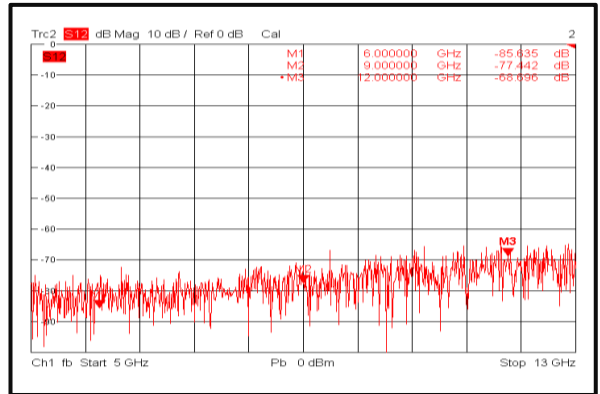
Input VSWR @+25°C



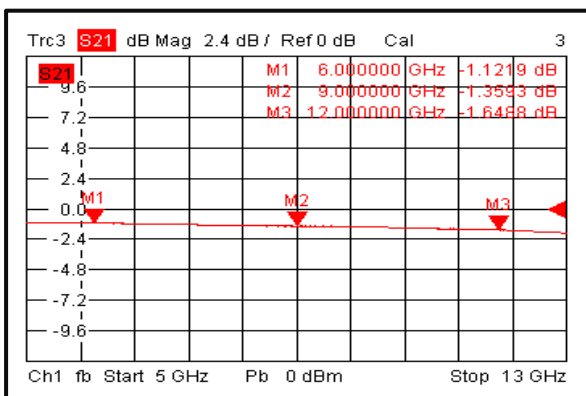
Output VSWR @+25°C



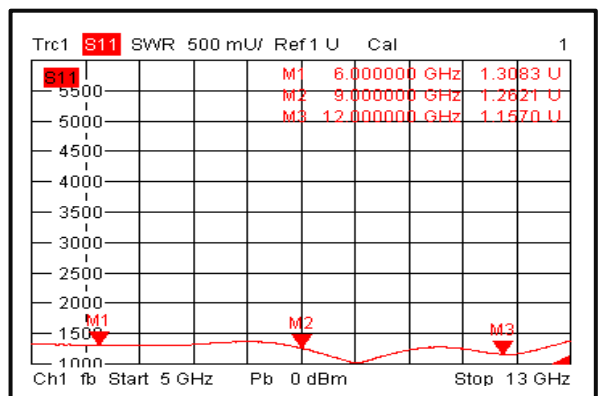
Isolation @+25°C



Insertion Loss @-40°C

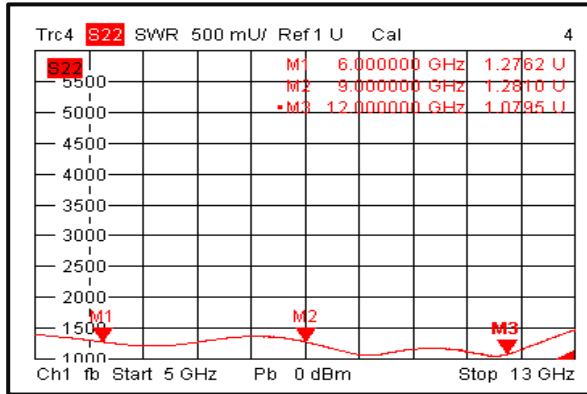


Input VSWR @-40°C

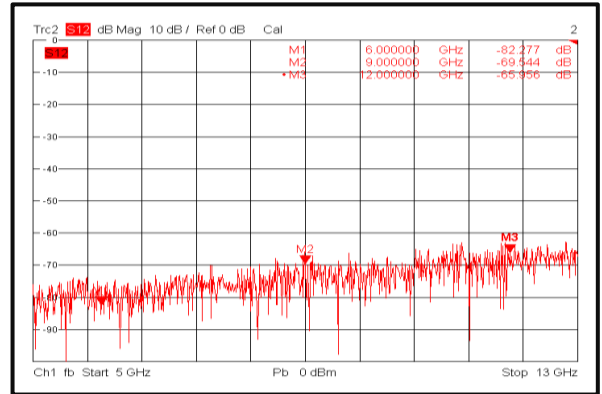


Поглощающий коаксиальный переключатель SP3T 6 - 12 ГГц

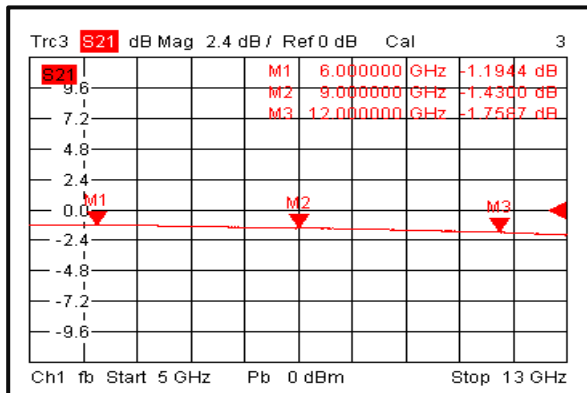
Output VSWR @-40°C



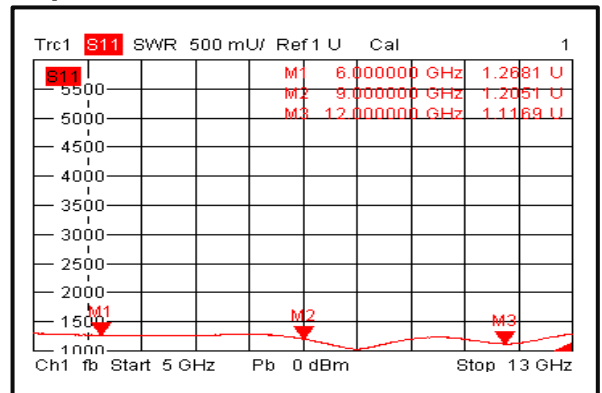
Isolation @-40°C



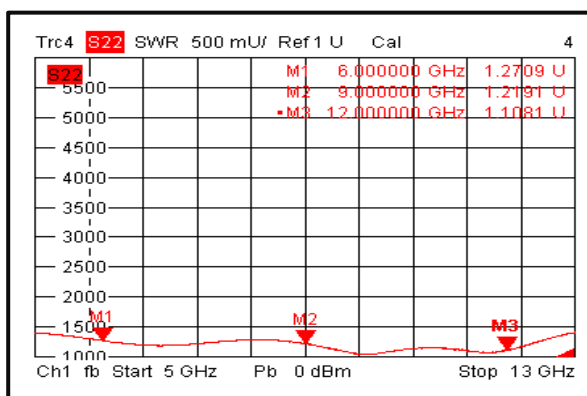
Insertion Loss @+85°C



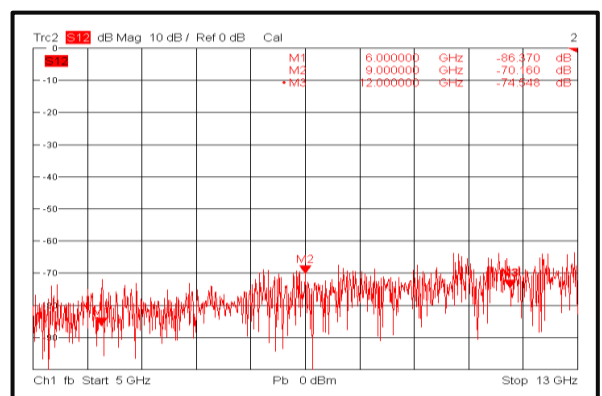
Input VSWR @+85°C



Output VSWR @+85°C

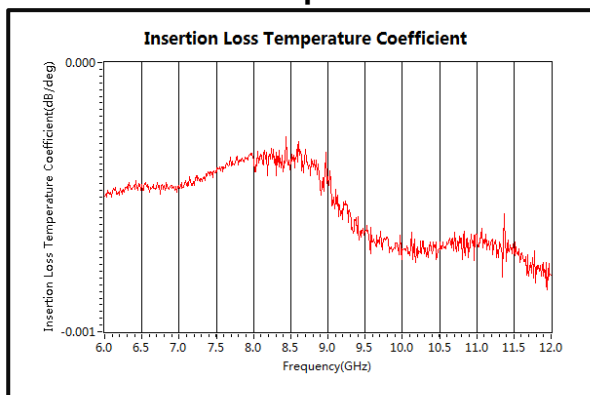


Isolation @+85°C

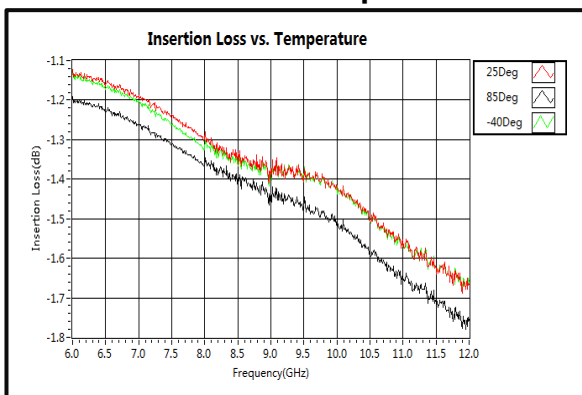


Поглощающий коаксиальный переключатель SP3T 6 - 12 ГГц

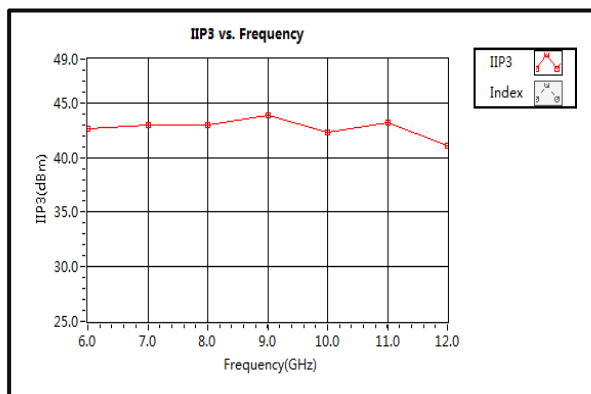
Insertion Loss Temperature Coefficient



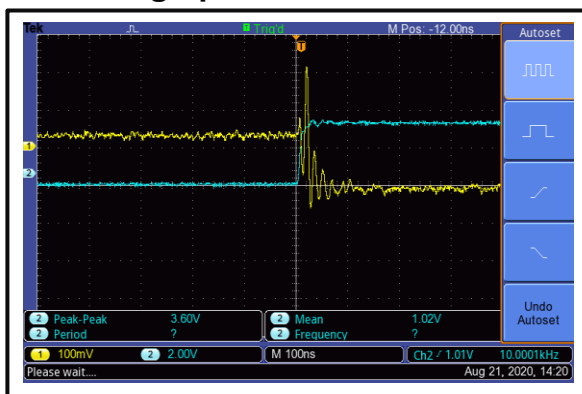
Insertion Loss vs. Temperature



IIP3



Switching Speed



Switching Speed

