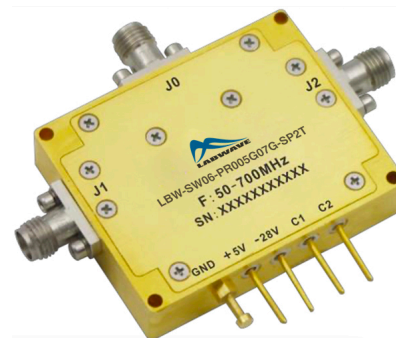


Характеристики:

- Широкий рабочий диапазон 50 - 700 МГц
- Управление через драйвер TTL
- Высокая скорость переключения
- Низкие вносимые потери и высокая изоляция
- Холодное переключение высокой мощности
- 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	Units
Frequency Range	50 - 300		300 - 700				MHz
Insertion Loss		0.4	0.6		0.8	1.1	dB
Insertion Loss Temperature Coefficient		0.003			0.003		dB/ ° C
Isolation	60	68		60	65		dB
Input VSWR		1.2	1.3		1.4	1.7	: 1
Output VSWR		1.2	1.3		1.4	1.7	: 1
RF Input Power (CW)			100			100	W
DC Power Dissipation		1.3			1.3		W
0.1dB Compression Point (P0.1dB)		50			50		dBm
IIP3		55			55		dBm
Switching Speed			1.2			1.2	us
Weight	1.41						ounces
Impedance	50						Ω
Bias Current (+5V/-28V)	250/50						mA
Input / Output Connectors	SMA - Female						
Finish	Gold Plated						
Material	Aluminum						
Sealing	Hermetically Sealed (Optional)						

Отражающий коаксиальный переключатель SP2T 50 - 700 МГц

Absolute Maximum Ratings

Biasing	+5V±10%/-28V±10%
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Notes:

- TTL pins cannot be connected to the negative voltage otherwise the internal driver will be damaged.
- If the device operates in high power state, case temperature must be lower than 60°C.
- Cold Switching: Before changing any TTL signal(s), the RF input power must be blanked or the switch could be damaged.

Ordering Information

Part No.	Description
LBW-SW06-PR005G07G-SP2T	SP2T 50-700MHz PIN Diode Switch

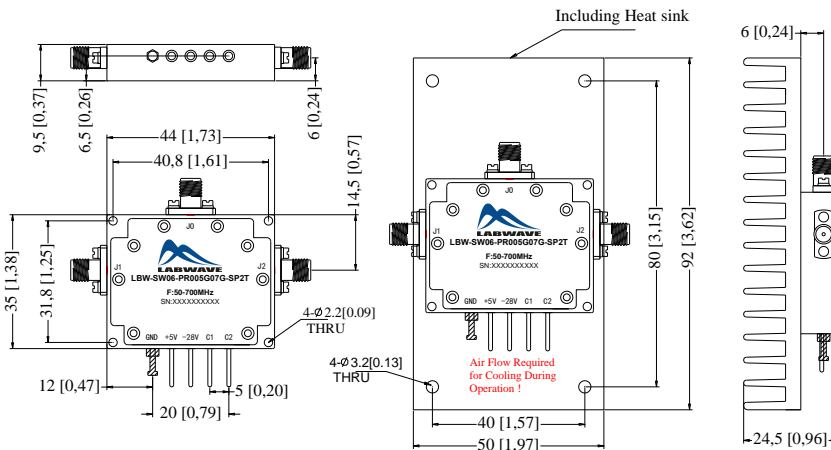
Outline Drawing:

All Dimensions in mm (inches)

Housing Tolerances ±0.1 [0.004]

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



Truth Table

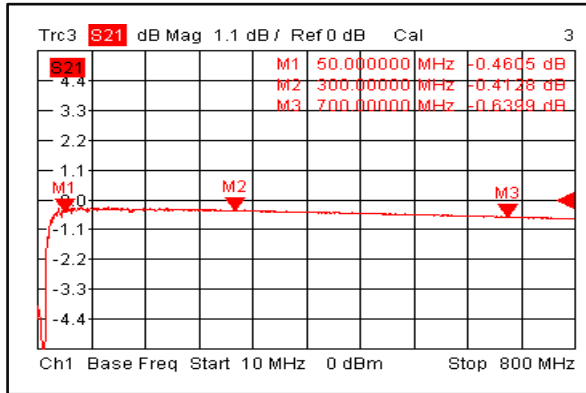
TTL Control Voltage THRESHOLD		Low(0)=0~0.8V
		High(1)=2.8~5V
Control Input TTL		Signal Path State
C2	C1	
0	0	OFF
0	1	J0-J1
1	0	J0-J2
1	1	NC
Control Pin Customization available upon request		

Notes:

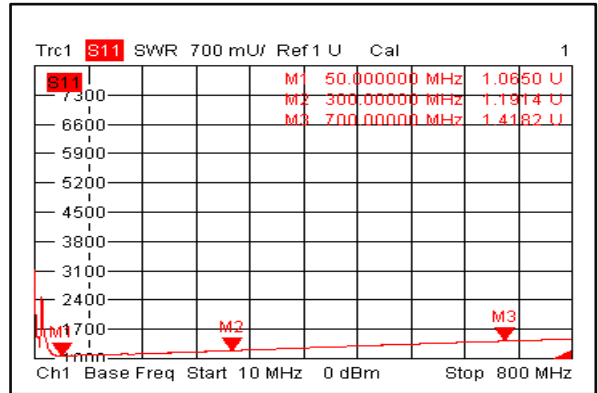
- Heatsink Included - Mandatory for Operation .
- Heatsink NOT Included - Mandatory for Operation.

Отражающий коаксиальный переключатель SP2T 50 - 700 МГц

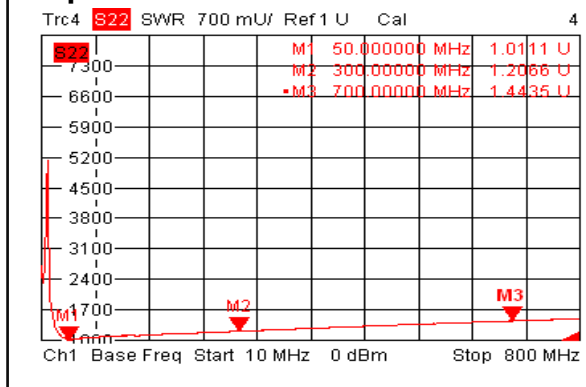
Insertion Loss @+25°C



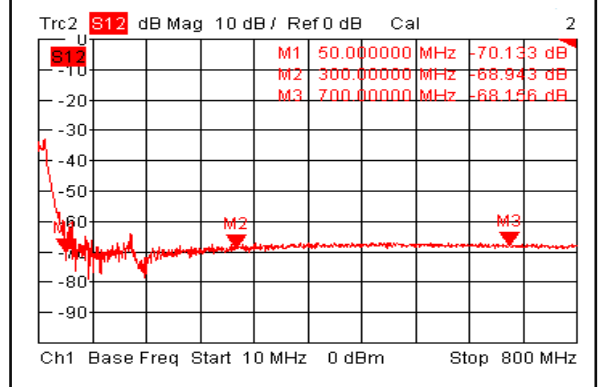
Input VSWR @+25°C



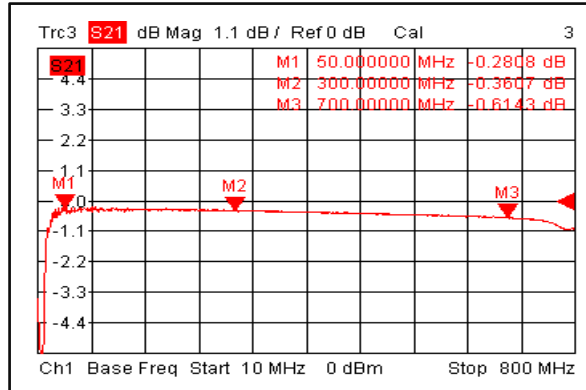
Output VSWR @+25°C



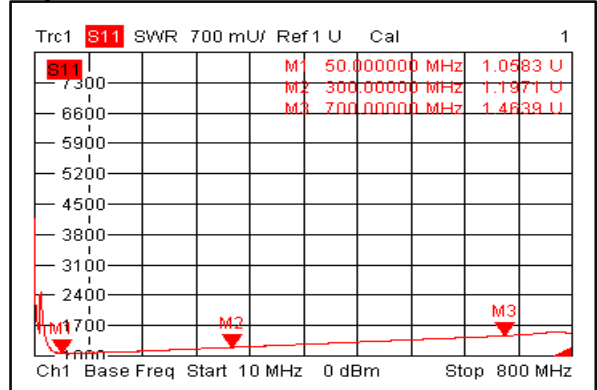
Isolation @+25°C



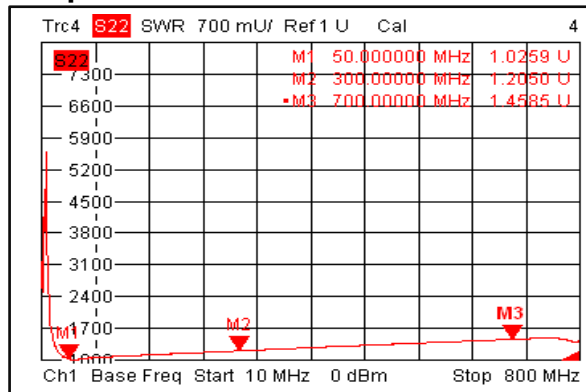
Insertion Loss @-40°C



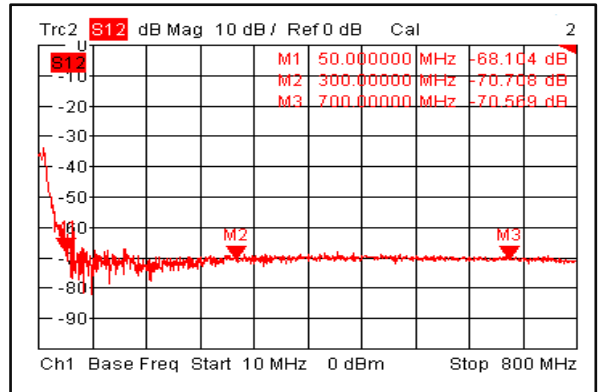
Input VSWR @-40°C



Output VSWR @-40°C

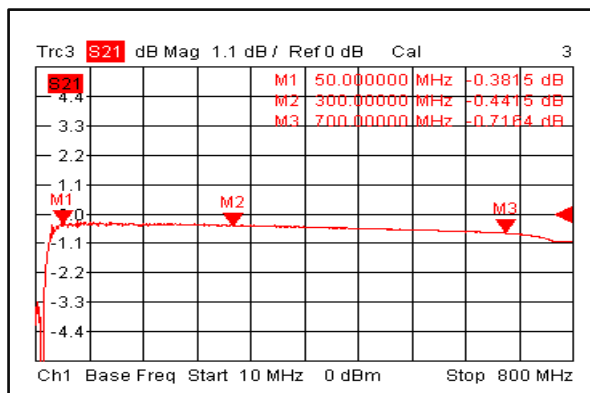


Isolation @-40°C

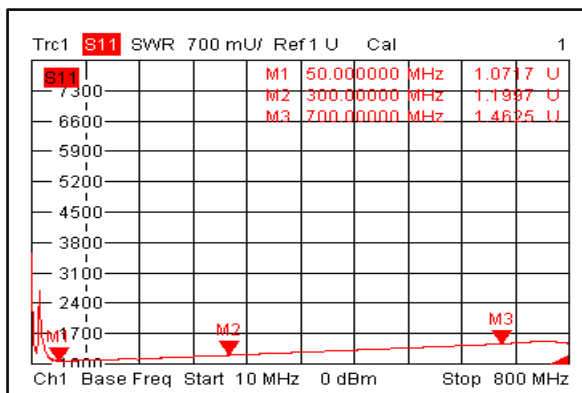


Отражающий коаксиальный переключатель SP2T 50 - 700 МГц

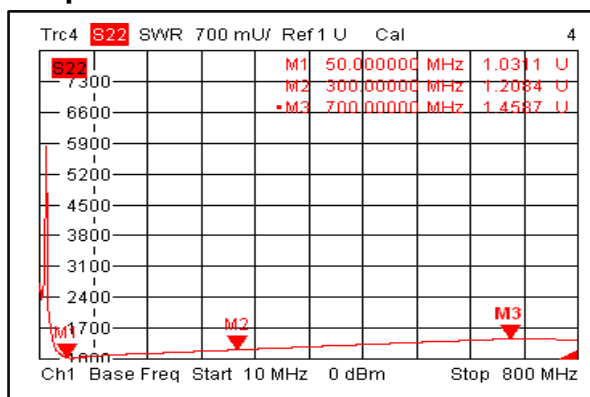
Insertion Loss @+85°C



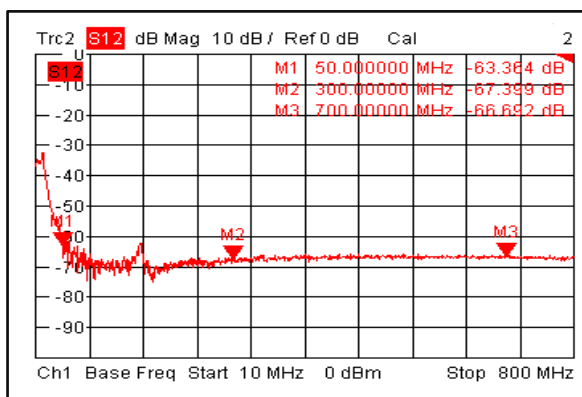
Input VSWR @+85°C



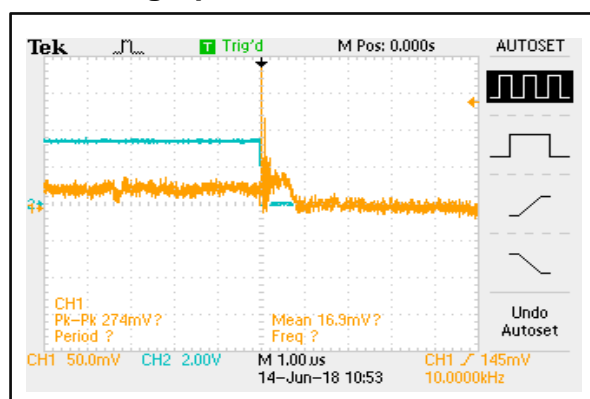
Output VSWR @+85°C



Isolation @+85°C



Switching Speed



Switching Speed

