

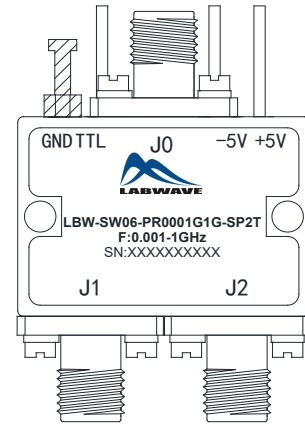
Характеристики:

- Широкий рабочий диапазон 1 МГц - 1 ГГц
- Управление через драйвер TTL
- Высокая скорость переключения
- Низкие вносимые потери и высокая изоляция



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	0.001-0.5			0.5-1			GHz
Insertion Loss		1.0			1.0		dB
Insertion Loss Temperature Coefficient		0.003			0.003		dB/ ° C
Isolation	80	85		80	85		dB
Input VSWR			1.5			1.5	: 1
Output VSWR			1.5			1.5	: 1
*RF Input Power (CW) (50Ω,T = 25°C)			30			30	dBm
DC Power Dissipation		0.55			0.55		W
0.1dB Compression P0.1dB (P0.1dB)		30			30		dBm
IIP3		42			42		dBm
Switching Speed	/						ns
Bias Current (+5V/-5V)	80/30						mA
Weight	0.88						ounces
Impedance	50						Ω
Input / Output Connectors	SMA-Female						
Finish	Gold plated						
Material	Aluminum						
Sealing	Hermetically Sealed (Optional)						

* When the working frequency is lower than 100MHz, please refer to the max input power curve..

Отражающий коаксиальный переключатель SP2T 0,001 - 1 ГГц

Absolute Maximum Ratings

Biasing	+5V/-5v±10%
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Notes:

1. TTL pins cannot be connected to the negative voltage otherwise the internal driver will be damaged .
2. Cold Switching: Before changing any TTL signal(s), the RF input power must be blanked or the switch could be damaged.

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

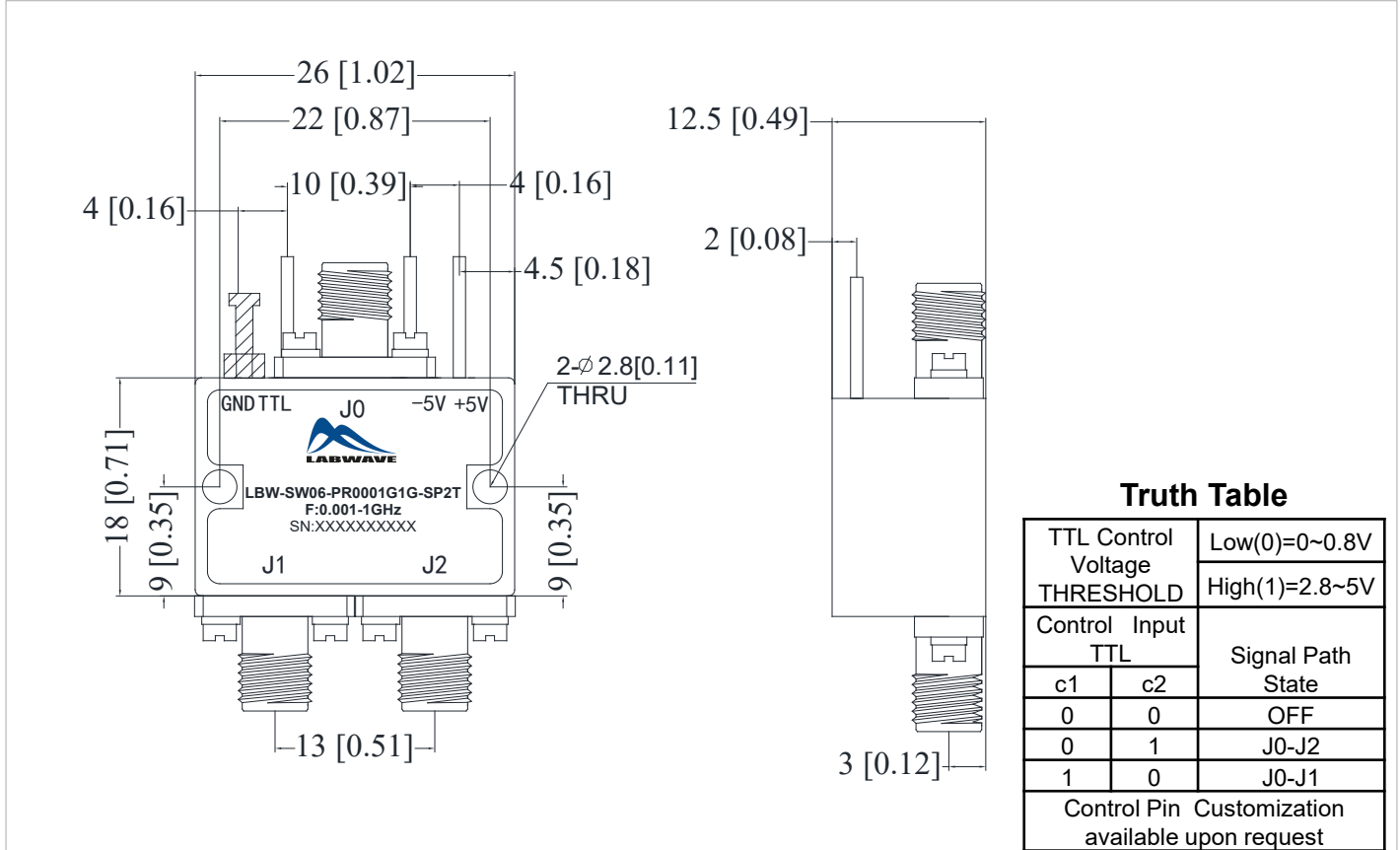
Ordering Information

Part No.	Description
LBW-SW06-PR0001G1G-SP2T	SP2T 0.001-1GHz PIN Diode Switch

Outline Drawing:

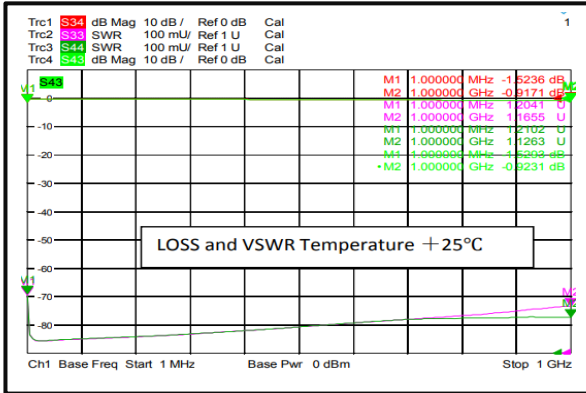
All Dimensions in mm (inches)

Housing Tolerances ±0.1 (0.004)

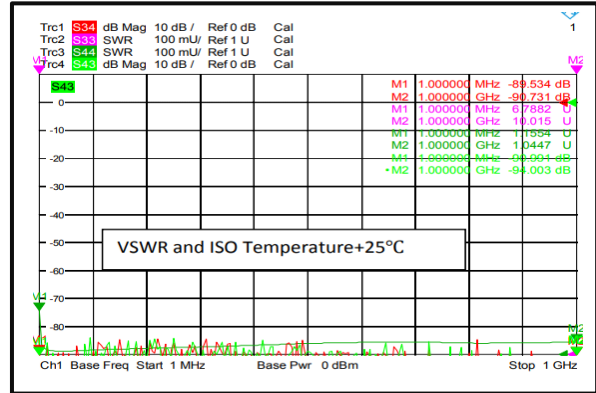


Отражающий коаксиальный переключатель SP2T 0,001 - 1 ГГц

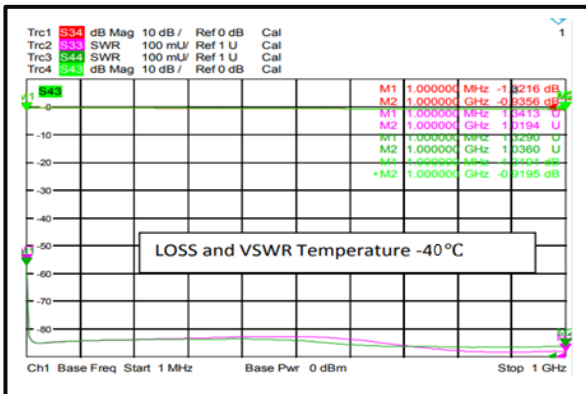
LOSS and VSWR Temperature @+25°C



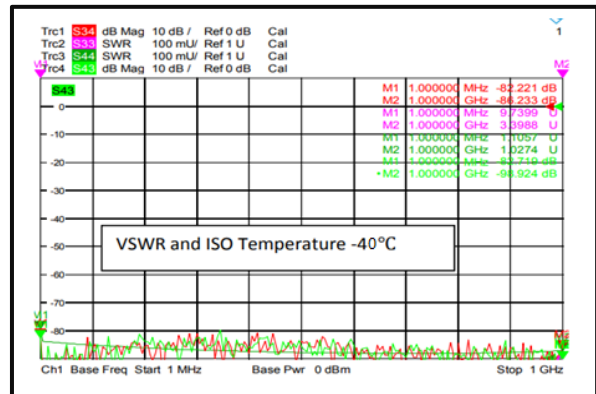
VSWR and ISO Temperature @+25°C



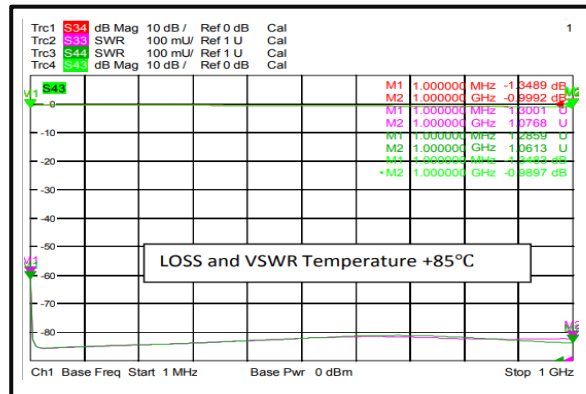
LOSS and VSWR Temperature @-40°C



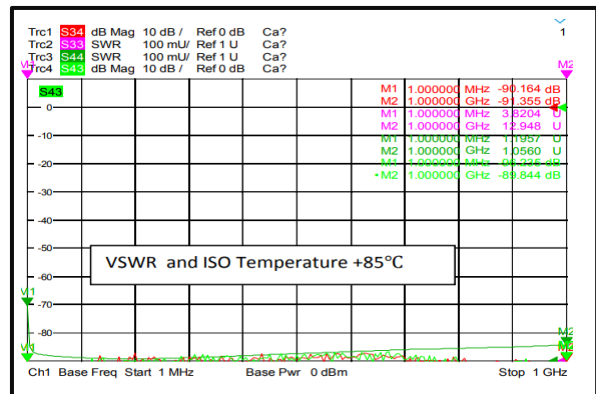
VSWR and ISO Temperature @-40°C



LOSS and VSWR Temperature @+85°C

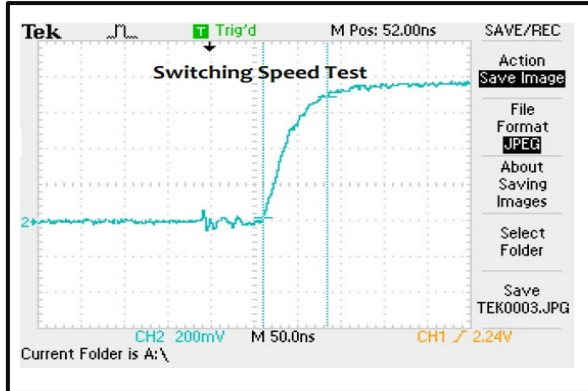


VSWR and ISO Temperature @+85°C

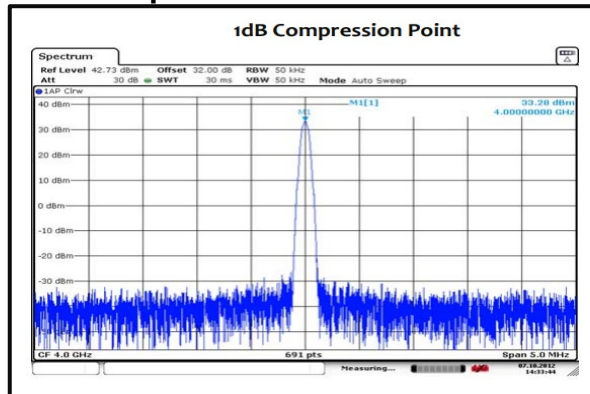


Отражающий коаксиальный переключатель SP2T 0,001 - 1 ГГц

Switching Speed



1dB Compression Point



IP3 – INPUT IP3 Point

