

TMPS2-00105000-S 0.1-50 GHz SPDT Switch, Absorptive

FEATURES

- ❖ Ultra Wide Band Operation 0.1-50 GHz
- ❖ TTL Compatible Driver
- ❖ Fast Switching Speed
- ❖ Low Insertion Loss & High Isolation

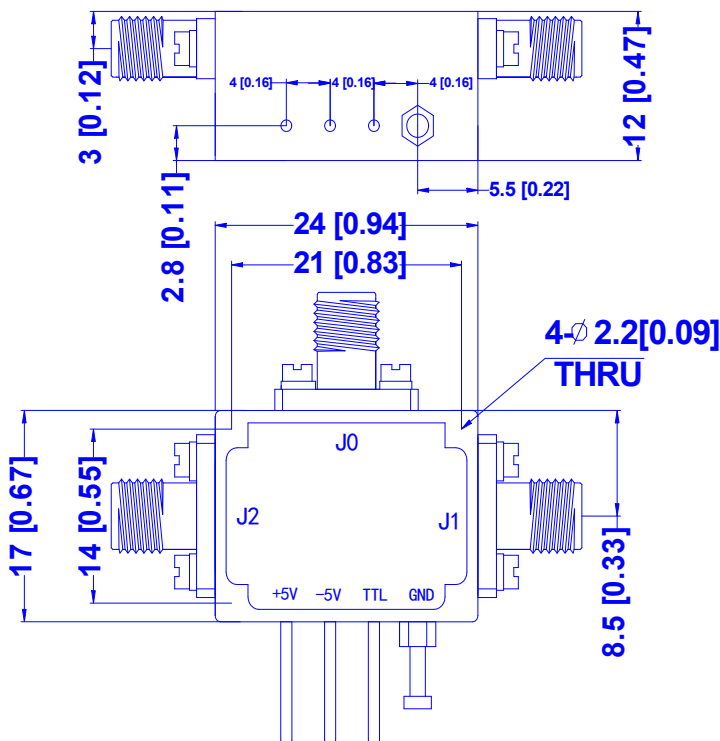
APPLICATIONS

- ❖ Wireless Infrastructure
- ❖ 5G Communication
- ❖ Test and Measurement Instrument

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	0.1	-	18	18	-	43.5	43.5	-	50	GHz
Impedance	-	50	-	-	50	-	-	50	-	Ohms
Insertion Loss	-	3.3	4.0	-	4.5	5.0	-	6.2	7.5	dB
Isolation	50	65	-	40	50	-	50	55	-	dB
VSWR	-	1.8	2.5	-	2.5	3	-	2	2.5	: 1
Input Power	-	-	23	-	-	23	-	-	23	dBm
DC Power Dissipation	-	0.8	-	-	0.8	-	-	0.8	-	W
0.1 dB Compression Point(P0.1dB)	-	23	-	-	23	-	-	23	-	dBm
IIP3	-	45	-	-	45	-	-	45	-	dBm
Switching Speed	-	50	100	-	50	100	-	50	100	nS
Voltage	-	±5V	-	-	±5V	-	-	±5V	-	V
Bias Current	100(+5v)/50(-5v) max									mA
Operating Temperature	-40°C~+85°C									
Storage Temperature	-50°C~+105°C									
Input/Output Connectors	2.4mm female									
Weight	25g max									
Surface Finishing	Gold Plated									
Material	Aluminum									

Outline Drawing [mm[inch]]



Truth Table

TTL Control Voltage Threshold	Low(0)=0~0.8V
	High(1)=2.8~5V
Control Input TTL	Signal Path
0	J0-J1
1	J0-J2