

**TMPS4-00104000-S 0.1-40 GHz SP4T Switch, Absorptive**

**FEATURES**

- ❖ Ultra Wide Band Operation 0.1-40 GHz
- ❖ TTL Compatible Driver
- ❖ Fast Switching Speed
- ❖ Low Insertion Loss & High Isolation

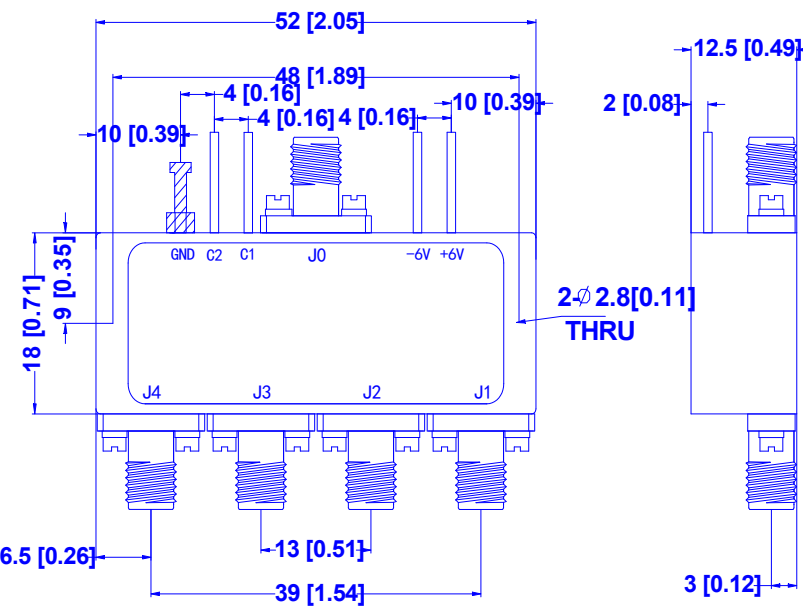
**APPLICATIONS**

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

**SPECIFICATIONS**

Parameters	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	0.1	-	18	18	-	40	GHz
Impedance	-	50	-	-	50	-	Ohms
Insertion Loss	-	4.5	6.0	-	6.0	7.0	dB
Isolation	70	75	-	65	70	-	dB
VSWR	-	1.8	3	-	2.2	3	:1
Input Power	-	-	23	-	-	23	dBm
DC Power Dissipation(CW)	-	0.85	-	-	0.85	-	W
0.1 dB Compression Point(P0.1dB)	-	23	-	-	23	-	dBm
IIP3	-	45	-	-	45	-	dBm
Switching Speed	-	-	100	-	-	100	nS
Voltage	-	±6	-	-	±6	-	V
Bias Current	150(+6v)/50(-6v) max						mA
Operating Temperature	-40°C~+85°C						
Storage Temperature	-50°C~+105°C						
Input/Output Connectors	2.92mm female						
Weight	35g max						
Surface Finishing	Gold Plated						
Material	Aluminum						

**Outline Drawing [mm[inch]]**



**Truth Table**

TTL Control Voltage Threshold		Low(0)=0~0.8V
Control Input TTL		High(1)=2.8~5V
C2	C1	Signal Path
0	0	J0-J1
0	1	J0-J2
1	0	J0-J3
1	1	J0-J4

Tolerances±0.1[0.004]