

TMPS2-00004000-R DC-40 GHz SPDT Switch, Reflective

FEATURES

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

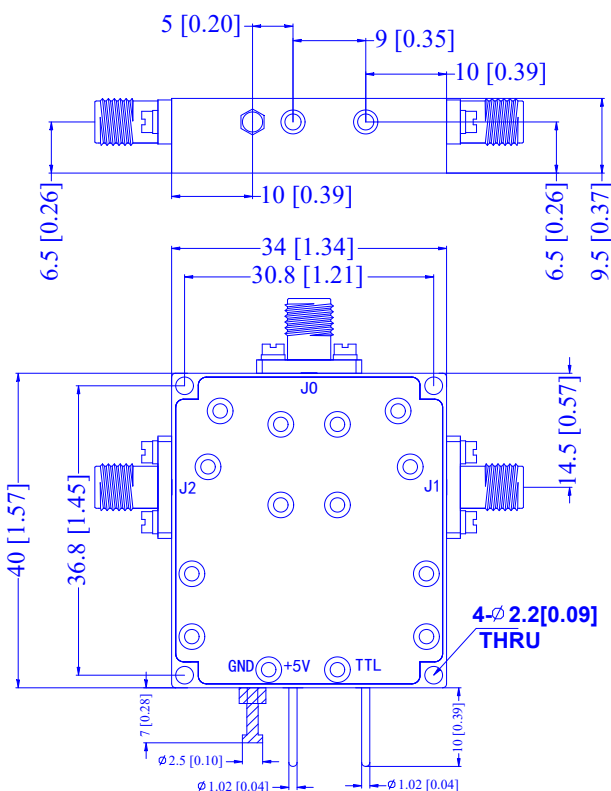
APPLICATIONS

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

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	DC	-	18	18	-	26	26	-	40	GHz
Impedance	-	50	-	-	50	-	-	50	-	Ohms
Insertion Loss	-	2.5	3.0	-	2.8	3.5	-	3.5	4.0	dB
Isolation	40	45	-	39	41	-	40	43	-	dB
VSWR	-	1.6	2.0	-	1.6	2.0	-	1.6	2.0	: 1
Input Power	-	-	25	-	-	25	-	-	25	dBm
DC Power Dissipation	-	0.1	-	-	0.41	-	-	0.1	-	W
0.1 dB Compression Point(P0.1dB)	-	21	-	-	21	-	-	21	-	dBm
IIP3	-	40	-	-	40	-	-	40	-	dBm
Switching Speed	-	-	500	-	-	500	-	-	500	nS
Voltage	-	+5	-	-	+5	-	-	+5	-	V
Bias Current	-	-	20	-	-	20	-	-	20	mA
Operating Temperature	-40°C~+85°C									
Storage Temperature	-50°C~+105°C									
Input/Output Connectors	SMA female									
Weight	40g 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

Note: *Heatsink required for high power operation, sold seperately; Air flow required for cooling during operation.*

Tolerances±0.1[0.004]