

TMPS2-0000600-R DC-6 GHz SPDT Switch, Reflective

FEATURES

- ❖ Ultra Wide Band Operation DC-6 GHz
- ❖ TTL Compatible Driver
- ❖ Fast Switching Speed
- ❖ Low Insertion Loss & High Isolation

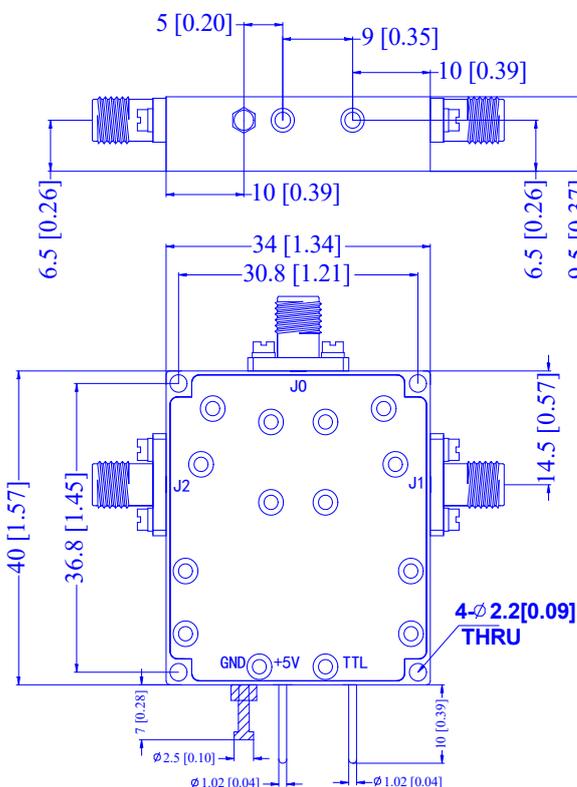
APPLICATIONS

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

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Units
Frequency Range	DC	-	6	GHz
Impedance	-	50	-	Ohms
Insertion Loss	-	-	1.3	dB
Isolation	23	-	-	dB
VSWR	-	-	1.5	: 1
Input Power	-	-	46	dBm
DC Power Dissipation	-	0.7	-	W
0.1 dB Compression Point(P0.1dB)	-	46	-	dBm
IIP3	-	55	-	dBm
Switching Speed	-	100	200	nS
Voltage	-	+5	-	V
Bias Current	-	100	-	mA
Weight	-	-	40	g
Operating Temperature	-40	-	+85	°C
Storage Temperature	-50	-	+105	°C
Input/Output Connectors	SMA female			
Surface Finishing	Gold Plated			
Material	Copper/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 separately;*
Air flow required for cooling during operation.

Tolerances±0.1[0.004]