

# QPS2-10-6000-R

## SP2T, 0.01~6GHz, Reflective

**Features:**

- \* Low Insertion Loss
- \* High Isolation

**Applications:**

- \* Wireless
- \* Transmitter
- \* Laboratory Test
- \* Radar

**Electrical**

Frequency:	0.01~6GHz
Insertion Loss:	1.5dB max.
Isolation:	35dB min.
VSWR:	1.5 max.
Input Power:	47dBm max.
DC Power Dissipation:	0.5W typ.
P0.1dB:	47dBm typ.
IIP3:	55dBm typ.
Impedance:	50Ω
Voltage:	+5V DC
Current:	100mA max.
Control:	TTL High - 1 TTL Low/NC - 0

**Mechanical**

Size*1:	40*34*9.5mm 1.575*1.339*0.374in
Switching Time:	150ns typ.
Weight:	96.4g max.
Material:	Copper
RF Connectors:	SMA Female
Power Supply Connectors:	Feed Through/Terminal Post
Mounting:	4-Φ2.2mm through-hole

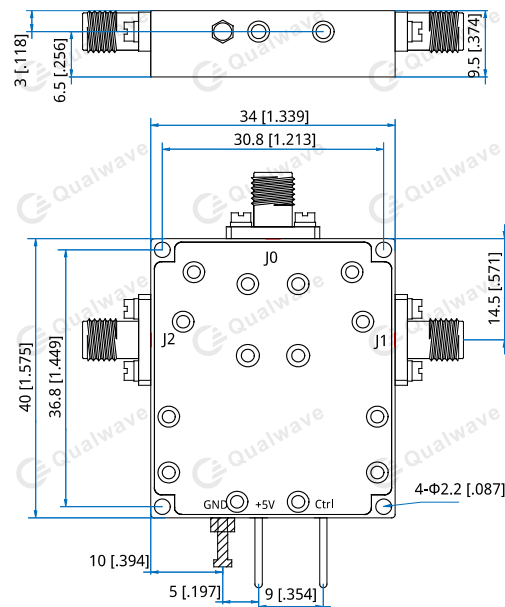
[1] Exclude connectors.

**Environmental**

Operating Temperature:	-40~+85°C
Non-operating Temperature:	-50~+105°C

**Outline Drawings**

(Heatsink to be designed)


**Notes:**

**Heatsink Included - Mandatory for Operation.**

Unit: mm [in]

Tolerance: ±0.1mm [±0.004in]

**Control True Table**

Ctrl	Connection
0	J0 - J2 On, J0 - J1 Off
1	J0 - J1 On, J0 - J2 Off

**How To Order**

**QPS2-10-6000-R**

Customization is available upon request.