

# QPS1 SPST

Features:  
\* Low Insertion Loss  
\* High Isolation

Applications:  
\* Wireless  
\* Transmitter  
\* Laboratory Test  
\* Radar

## Specifications

Part Number	Frequency (GHz)	IL (dB Max.)	VSWR (Max.)	Isolation (dB Min.)	Power (W Max.)	On/Off Delay (nS Max.)
QPS1-20-1000	0.02~1	1	1.4	70	1	50
QPS1-1000-2000	1~2	1.2	1.4	70	1	50
QPS1-2000-6000	2~6	1.8	1.6	70	1	50
QPS1-8000-12000	8~12	1.8	1.6	70	1	50
QPS1-6000-18000	6~18	2	1.8	60	1	50
QPS1-18000-26500	18~26.5	2.5	2	60	1	50
QPS1-26500-40000	26.5~40	3	2	60	1	50

## Mechanical

Size\*1: 30\*15\*10mm  
1.181\*0.591\*0.394in  
RF Connectors: SMA Female  
Power Supply Connectors: Feed Through/Terminal Post  
Housing Material: Aluminum  
Mounting: 2-Φ2.2mm through-hole

[1] Exclude connectors

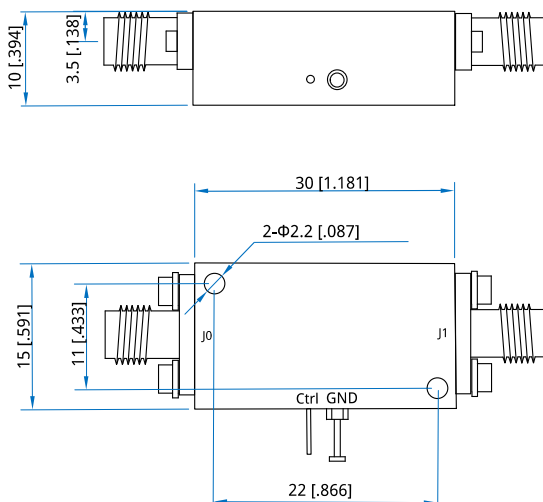
## Electrical

Frequency: 0.02~40GHz  
Control: TTL High - 1  
TTL Low/NC - 0

## Environmental

Operating Temperature: -40~+70°C  
Non-operating Temperature: -55~+85°C

## Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

## Control True Table

Ctrl	Connection
0	On
1	Off

## How To Order

### QPS1-X-Y-Z

X: Start frequency in MHz  
Y: Stop frequency in MHz  
Z: Absorptive: A, Reflective: R.

Examples:

To order an SPST PIN Diode Switch, 6~18GHz, reflective, specify QPS1-6000-18000-R.

Customization is available upon request.