

## QPS1 SPST

### Features:

- \* Low Insertion Loss
- \* High Isolation

### Applications:

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

### Specifications

Part Number	Frequency (GHz)	Insertion Loss (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<sup>\*1</sup>: 30\*15\*10mm  
1.181\*0.591\*0.394in

RF Connectors: SMA Female

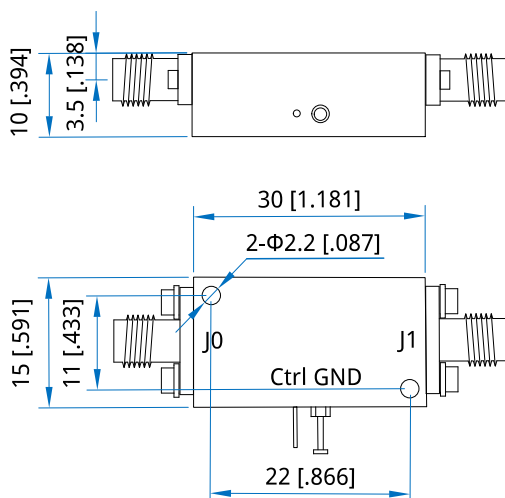
Power Supply Connectors: Feed Through/Terminal Post

Housing Material: Aluminum

Mounting: 2- $\Phi$ 2.2mm through-hole

[1] Exclude connectors.

### Outline Drawings



Unit: mm [in]

Tolerance:  $\pm 0.2$ mm [ $\pm 0.008$ in]

### 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

### 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.