

## QPS2 SPDT

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.)
QPS2-20-1000	0.02~1	1	1.4	70	1	50
QPS2-1000-2000	1~2	1.2	1.4	70	1	50
QPS2-2000-6000	2~6	1.8	1.6	70	1	50
QPS2-8000-12000	8~12	1.8	1.6	70	1	50
QPS2-6000-18000	6~18	2	1.8	60	1	50
QPS2-18000-26500	18~26.5	2.5	2	60	1	50
QPS2-26500-40000	26.5~40	3	2	60	1	50

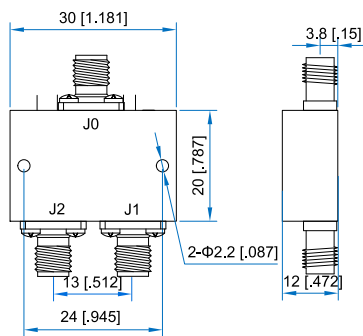
### Mechanical

RF Connectors: SMA Female  
Power Supply Connectors: Feed Through/Terminal Post  
Housing Material: Aluminum  
Mounting: 2- $\Phi$ 2.2mm through-hole

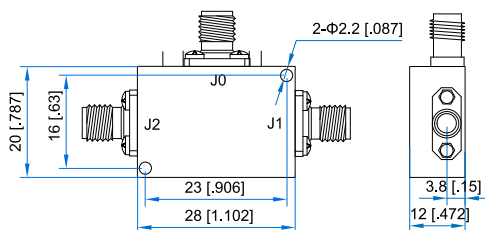
### Electrical

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

### Outline Drawings



Outline A (Standard)



Outline B (Optional)

Unit: mm [in]

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

### Environmental

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

### Control True Table

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

### How To Order

#### QPS2-X-Y-Z

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

Add suffix "-O" for Outline B.

Examples:

To order an SPDT PIN Diode Switch, 6~18GHz, reflective, specify QPS2-6000-18000-R.

Customization is available upon request.