

## QPS6 SP6T

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.)
QPS6-20-1000	0.02~1	1.8	1.5	70	1	50
QPS6-1000-2000	1~2	2	1.5	70	1	50
QPS6-2000-6000	2~6	3	1.8	70	1	50
QPS6-8000-12000	8~12	3	1.8	70	1	50
QPS6-6000-18000	6~18	3	2	60	1	50
QPS6-18000-26500	18~26.5	3.5	2.2	60	1	50
QPS6-26500-40000	26.5~40	4.5	2.2	60	1	50

### Mechanical

Size\*1: 78\*38\*12mm  
3.071\*1.496\*0.472in

RF Connectors: SMA Female

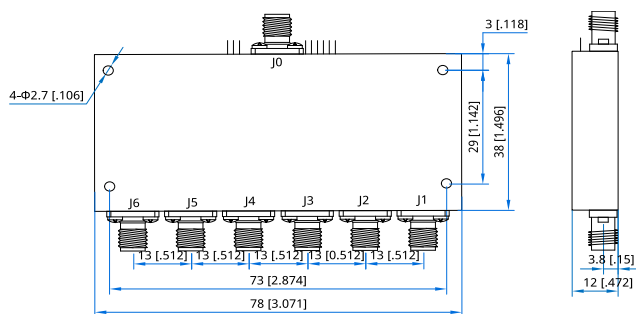
Power Supply Connectors: Feed Through/Terminal Post

Housing Material: Aluminum

Mounting: 4-Φ2.7mm through-hole

[1] Exclude connectors.

### Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

### 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

C1	C2	C3	Connection
0	0	0	J0 - J1 On
0	0	1	J0 - J2 On
0	1	0	J0 - J3 On
0	1	1	J0 - J4 On
1	0	0	J0 - J5 On
1	0	1	J0 - J6 On

### How To Order

#### QPS6-X-Y-Z

X: Start frequency in GHz

Y: Stop frequency in GHz

Z: Absorptive: A, Reflective: R.

Examples:

To order an SP6T PIN Diode Switch, 6~18GHz, reflective, specify QPS6-6000-18000-R.

Customization is available upon request.