

QPS24-500-8000-A

SP24T, 0.5~8GHz, Absorptive

Features:

- * Low Insertion Loss
- * High Isolation

Applications:

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

Electrical

| | |
|------------------|----------------|
| Frequency: | 0.5~8GHz |
| Insertion Loss: | 5.6dB max. |
| Isolation: | 70dB min. |
| VSWR: | 2 max. |
| Input Power: | 27dBm max. |
| Voltage/Current: | +5V@1.4A max. |
| | -5V@0.1A max. |
| Control: | TTL High - 1 |
| | TTL Low/NC - 0 |

Mechanical

| | |
|--|------------------------|
| Size*1: | 304.8*40*16mm |
| | 12*1.575*0.63in |
| RF Connectors: | SMA Female |
| Switching Time: | 100ns max. |
| Power Supply & Control Interface Connectors: | D-Sub 9 Female |
| Housing Material: | Nickel plated aluminum |
| Mounting: | 4-Φ3.2mm through-hole |

[1] Exclude connectors.

Environmental

| | |
|----------------------------|------------|
| Operating Temperature: | -40~+85°C |
| Non-operating Temperature: | -55~+125°C |

Pin Numbering

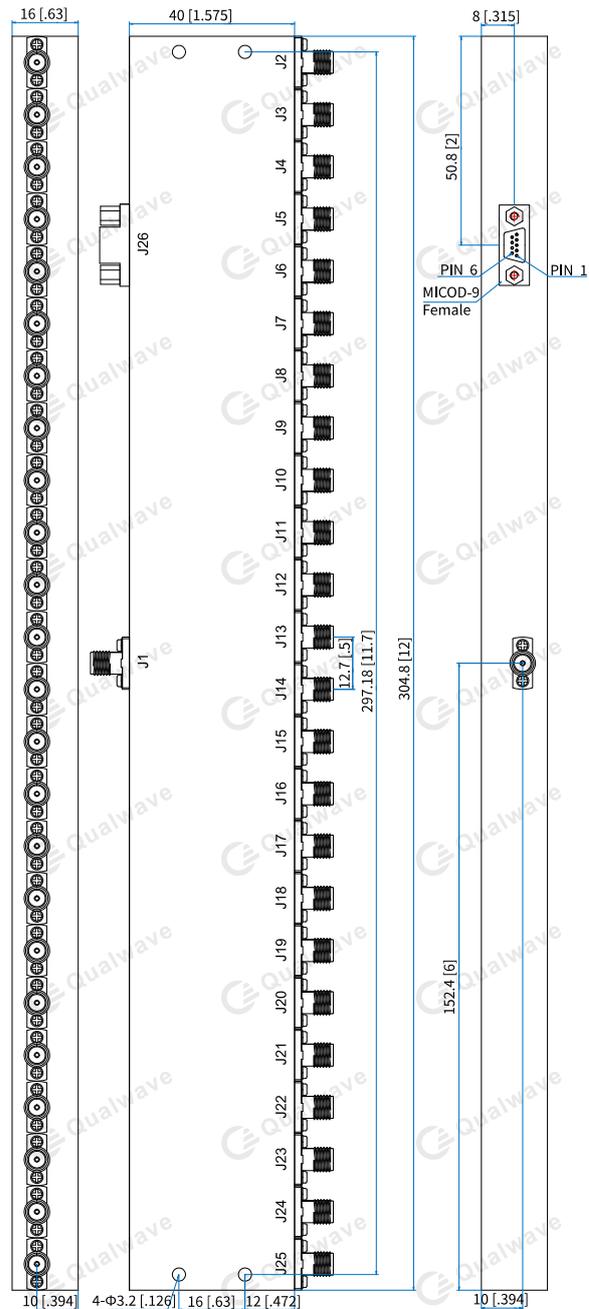
| Pin | Function | Pin | Function |
|-----|----------|-----|----------|
| 1~2 | +5V | 4 | -5V |
| 3 | GND | 5~9 | E1~E5 |

How To Order

[QPS24-500-8000-A](#)

Customization is available upon request.

Outline Drawings



Unit: mm [in] Tolerance: ±0.2mm [±0.008in]

Control True Table

| E5 | E4 | E3 | E2 | E1 | Connection |
|----|----|----|----|----|-------------|
| 0 | 0 | 0 | 0 | 0 | J0 - J1 On |
| 0 | 0 | 0 | 0 | 1 | J0 - J2 On |
| 0 | 0 | 0 | 1 | 0 | J0 - J3 On |
| 0 | 0 | 0 | 1 | 1 | J0 - J4 On |
| 0 | 0 | 1 | 0 | 0 | J0 - J5 On |
| 0 | 0 | 1 | 0 | 1 | J0 - J6 On |
| 0 | 0 | 1 | 1 | 0 | J0 - J7 On |
| 0 | 0 | 1 | 1 | 1 | J0 - J8 On |
| 0 | 1 | 0 | 0 | 0 | J0 - J9 On |
| 0 | 1 | 0 | 0 | 1 | J0 - J10 On |
| 0 | 1 | 0 | 1 | 0 | J0 - J11 On |
| 0 | 1 | 0 | 1 | 1 | J0 - J12 On |
| 0 | 1 | 1 | 0 | 0 | J0 - J13 On |
| 0 | 1 | 1 | 0 | 1 | J0 - J14 On |
| 0 | 1 | 1 | 1 | 0 | J0 - J15 On |
| 0 | 1 | 1 | 1 | 1 | J0 - J16 On |
| 1 | 0 | 0 | 0 | 0 | J0 - J17 On |
| 1 | 0 | 0 | 0 | 1 | J0 - J18 On |
| 1 | 0 | 0 | 1 | 0 | J0 - J19 On |
| 1 | 0 | 0 | 1 | 1 | J0 - J20 On |
| 1 | 0 | 1 | 0 | 0 | J0 - J21 On |
| 1 | 0 | 1 | 0 | 1 | J0 - J22 On |
| 1 | 0 | 1 | 1 | 0 | J0 - J23 On |
| 1 | 0 | 1 | 1 | 1 | J0 - J24 On |