

# FPS4-500-20000-A

## SP4T, 0.5~20GHz, Absorptive

**Features:**

- \* Low Insertion Loss
- \* High Isolation

**Applications:**

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

**Electrical**

|                  |                                 |
|------------------|---------------------------------|
| Frequency:       | 0.5~20GHz                       |
| Insertion Loss:  | 3.5dB max.                      |
| Isolation:       | 75dB min.                       |
| VSWR:            | 2 max.                          |
| Input Power:     | 30dBm max.                      |
| Voltage/Current: | +5V@200mA max.<br>-5V@50mA max. |
| Control:         | TTL High - 1<br>TTL Low/NC - 0  |
| Impedance:       | 50Ω                             |

**Mechanical**

|                          |                            |
|--------------------------|----------------------------|
| Switching Time:          | 100ns max.                 |
| RF Connectors:           | SMA Female                 |
| Power Supply Connectors: | Feed Through/Terminal Post |
| Housing Material         | Nickel plated aluminum     |
| Mounting:                | 2-Φ2.2mm through-hole      |

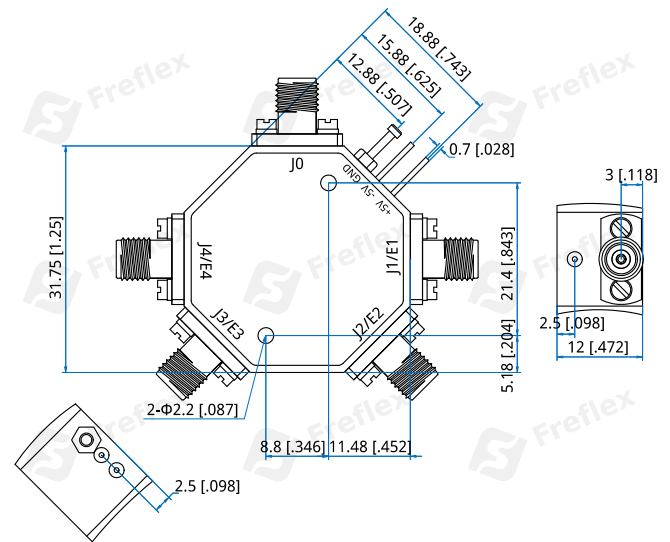
**Environmental**

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

**How To Order**

**FPS4-500-20000-A**

Customization is available upon request.

**Outline Drawings**


Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

**Control True Table**

| E4 | E3 | E2 | E1 | Connection |
|----|----|----|----|------------|
| 1  | 1  | 1  | 0  | J0 - J1 On |
| 1  | 1  | 0  | 1  | J0 - J2 On |
| 1  | 0  | 1  | 1  | J0 - J3 On |
| 0  | 1  | 1  | 1  | J0 - J4 On |