

## FPS2-1000-18000-A-4

### SPDT, 1~18GHz, Absorptive

#### Features:

- \* Low Insertion Loss
- \* High Isolation

#### Applications:

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

#### Electrical

|                  |                                |
|------------------|--------------------------------|
| Frequency:       | 1~18GHz                        |
| Insertion Loss:  | 2.8dB max.                     |
| Isolation:       | 60dB min.                      |
| VSWR:            | 2 max.                         |
| Input Power:     | 20dBm max.                     |
| Voltage/Current: | +5V@50mA max.<br>-5V@50mA max. |
| Control:         | TTL High - 1<br>TTL Low/NC - 0 |

#### Mechanical

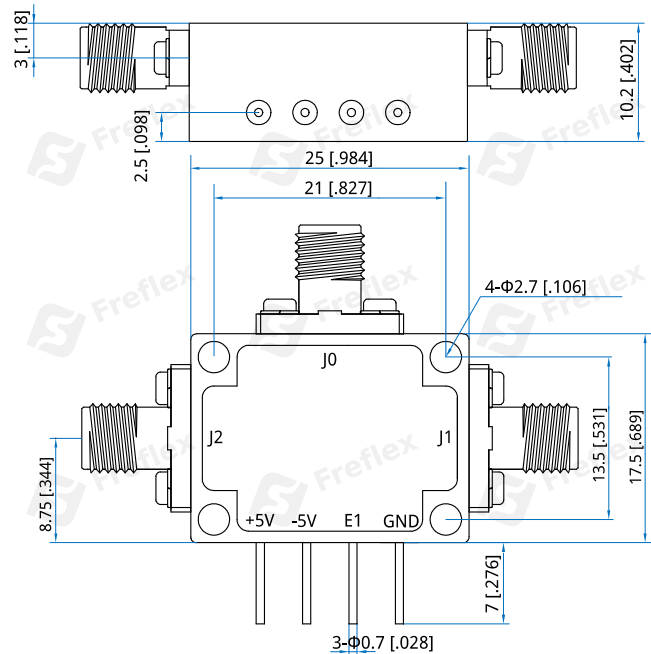
|                          |                                       |
|--------------------------|---------------------------------------|
| Size*1:                  | 25*17.5*10.2mm<br>0.984*0.689*0.402in |
| Switching Time:          | 35nS max.                             |
| RF Connectors:           | SMA Female                            |
| Power Supply Connectors: | Feed Through/Terminal Post            |
| Housing Material:        | Nickel plated aluminum                |
| Mounting:                | 4-Φ2.7mm through-hole                 |

[1] Exclude connectors.

#### Environmental

|                            |            |
|----------------------------|------------|
| Operating Temperature:     | -45~+85°C  |
| Non-operating Temperature: | -55~+125°C |

#### Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

#### Control True Table

| E1 | Connection |
|----|------------|
| 0  | J0 - J1 On |
| 1  | J0 - J2 On |

#### How To Order

**FPS2-1000-18000-A-4**

Customization is available upon request.