

## FPS2-12000-18000-R-1

### SPDT, 12~18GHz, Reflective

#### Features:

- \* Low Insertion Loss
- \* High Isolation

#### Applications:

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

#### Electrical

|                  |                                 |
|------------------|---------------------------------|
| Frequency:       | 12~18GHz                        |
| Insertion Loss:  | 2.8dB max.                      |
| Isolation:       | 60dB min.                       |
| VSWR:            | 2 max.                          |
| Input Power:     | 30dBm max.                      |
| Voltage/Current: | +5V@100mA max.<br>-5V@50mA max. |
| Control:         | TTL High - 1<br>TTL Low/NC - 0  |

#### Mechanical

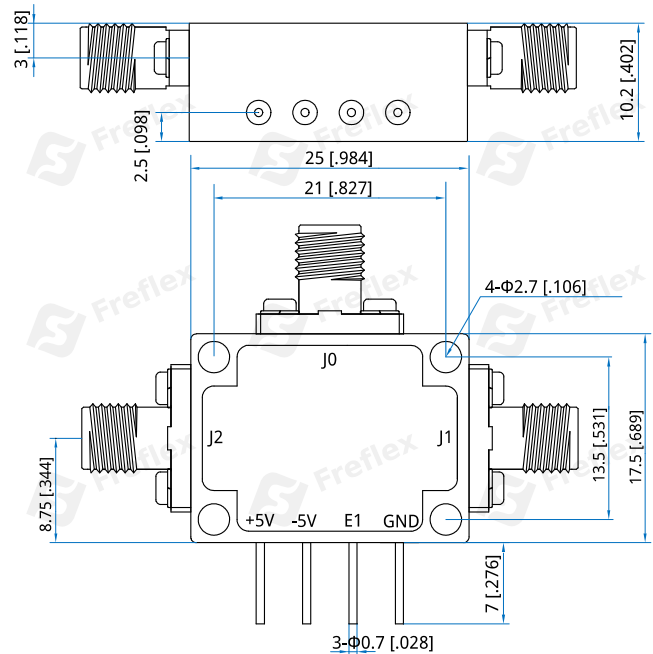
|                          |                                       |
|--------------------------|---------------------------------------|
| Size <sup>*1</sup> :     | 25*17.5*10.2mm<br>0.984*0.689*0.402in |
| Switching Time:          | 100nS max.                            |
| RF Connectors:           | 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:     | -40~+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

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Customization is available upon request.