

# FPS2-10-3000-R

## SPDT, 0.01~3GHz, Reflective

**Features:**

- \* Low Insertion Loss
- \* High Isolation

**Applications:**

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

**Electrical**

Frequency:	0.01~3GHz
Insertion Loss:	1.3dB max.
Isolation:	40dB min.
VSWR:	1.5 max.
Input Power:	46dBm max.
DC Power Dissipation:	0.7W typ.
P0.1dB:	46dBm typ.
IIP3:	48dBm typ.
Impedance:	50Ω
Voltage:	+5V DC
Current:	100mA max.
Control:	TTL High - 1 TTL Low/NC - 0

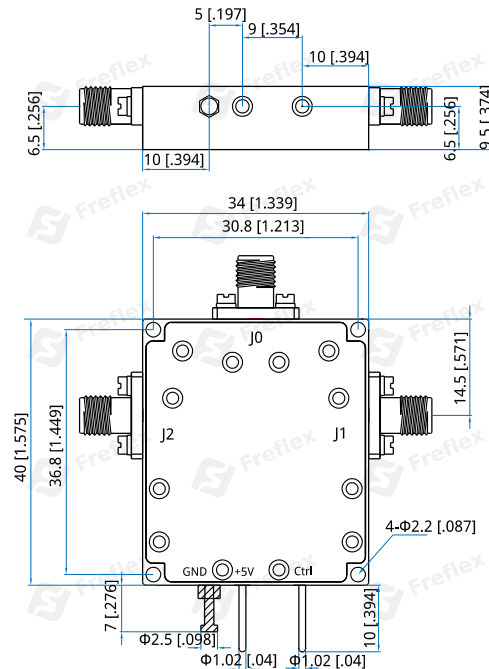
**Mechanical**

Size*1:	40*34*9.5mm 1.575*1.339*0.374in
Switching Time:	150nS max.
Weight:	4 Ounces max.
Material:	Gold Plated Copper
RF Connectors:	SMA Female
Power Supply Connectors:	Feed Through/Terminal Post
Mounting:	4-Φ2.2mm through-hole

[1] Exclude connectors.

**Environmental**

Operating Temperature:	-40~+85°C
Non-operating Temperature:	-50~+105°C

**Outline Drawings**


Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

**Control True Table**

Ctrl	Connection
0	J0 - J2 On, J0 - J1 Off
1	J0 - J1 On, J0 - J2 Off

**How To Order**

**FPS2-10-3000-R**

Customization is available upon request.