

# FPS8-500-50000-A

## SP8T, 0.5~50GHz, Absorptive

**Features:**

- \* Low Insertion Loss
- \* High Isolation

**Applications:**

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

**Electrical**

Frequency:	0.5~50GHz
Insertion Loss:	14dB max.
Isolation:	45dB min.
VSWR:	3 max.
Input Power:	+23dBm max.
Voltage/Current:	+5V@200mA max. -5V@100mA max.
Control:	TTL High - 1 TTL Low/NC - 0
Impedance:	50Ω

**Mechanical**

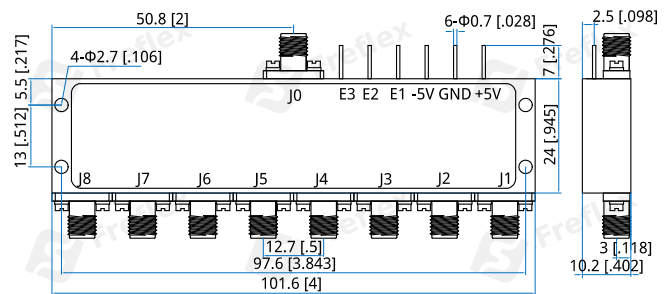
Size <sup>*1</sup> :	101.6*24*10.2mm 4*0.945*0.402in
Switching Time <sup>*2</sup> :	200ns max.
RF Connectors:	2.4mm Female
Weight:	45g typ.
Power Supply Connectors:	Feed Through/Terminal Post
Mounting:	4-Φ2.7mm through-hole

[1] Exclude connectors.

[2] Values at 25°C, sea level. Switching speed is defined as 50% TTL to 90% RF (t-on) and 50% TTL to 10% RF (t-off).

**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**

E3	E2	E1	Connection
0	0	0	J0 - J1 On
0	0	1	J0 - J2 On
0	1	0	J0 - J3 On
0	1	1	J0 - J4 On
1	0	0	J0 - J5 On
1	0	1	J0 - J6 On
1	1	0	J0 - J7 On
1	1	1	J0 - J8 On

**How To Order**

**FPS8-500-50000-A**

Customization is available upon request.