

# FPS8-100-18000-A

## SP8T, 0.1~18GHz, Absorptive

Features:  
 \* Low Insertion Loss  
 \* High Isolation

Applications:  
 \* Wireless  
 \* Transmitter  
 \* Laboratory Test  
 \* Radar

### Electrical

Frequency:	0.1~18GHz
Insertion Loss:	4.8dB max.
Isolation:	80dB min.
VSWR:	2 max.
Input Power:	30dBm max.
Voltage/Current:	+5V@400mA max. -5V@50mA max.
Control:	TTL High - 1 TTL Low/NC - 0
Impedance:	50Ω

### Mechanical

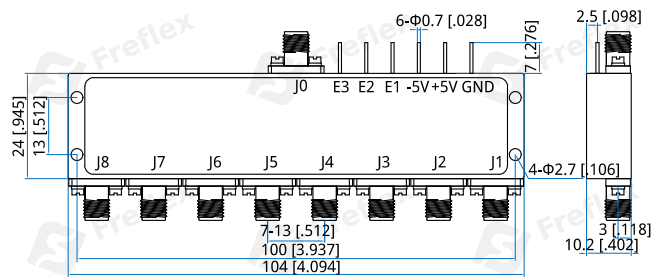
Size <sup>*1</sup> :	104*24*10.2mm 4.094*0.945*0.402in
Switching Time:	120ns max.
RF Connectors:	SMA Female
Power Supply Connectors:	Feed Through/Terminal Post
Housing Material:	Nickel plated aluminum
Mounting:	4-Φ2.7mm through-hole

[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

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

[FPS8-100-18000-A](#)

Customization is available upon request.