

FPS2-1000-6000-R

SPDT, 1~6GHz, Reflective

Features:

- * Low Insertion Loss
- * High Isolation

Applications:

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

Electrical

Frequency:	1~6GHz
Insertion Loss:	1dB max. @1~4GHz 1.2dB max. @4~6GHz
Insertion Loss Temperature Coefficient:	0.003dB/°C typ.
Isolation:	60dB min. @1~4GHz 55dB min. @4~6GHz
VSWR:	1.5 max.
RF Input Power:	47dBm max. (50.1W)
DC Power Dissipation:	1.3W typ.
Output Power (P0.1dB):	47dBm typ.
IIP3:	52dBm typ. @1~4GHz 51dBm typ. @4~6GHz
Voltage:	+28V
Bias Current:	100mA typ.
Switching Time:	600ns max.
Control*1:	High - 1 @2.8~5V Low - 0 @0~0.8V
Impedance:	50Ω

[1] Cold Switching: Before changing any TTL signal(s), the RF input power must be blanked or the switch could be damaged.

Mechanical

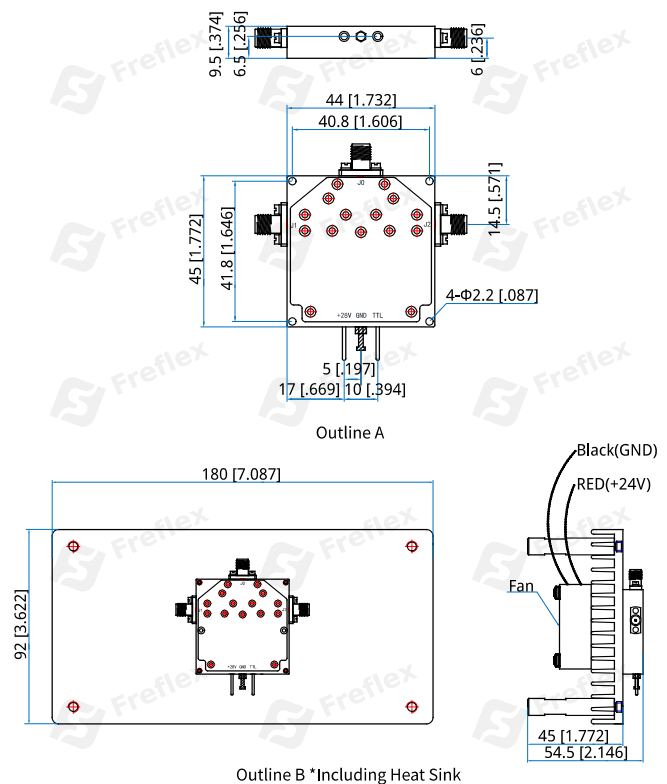
RF Connectors:	SMA female
Weight:	127g max. (Net) 495g max. (Including heat sink)
Power Supply Connectors:	Feed through/Terminal post
Material:	Copper
Finish:	Gold plated

Environmental

Operating Temperature*2:	-40~+85°C
Non-operating Temperature:	-50~+105°C

[2] If the device operates in high power state, recommend keeping case temperature lower than 60°C.

Outline Drawings



* Heatsink Required - Mandatory for High Power Operation.

Unit: mm [in]

Tolerance: ±0.1mm [±0.004in]

Control True Table*3

Input TTL	Connection
1	J0 - J1 On
0	J0 - J2 On

[3] Control Pin Customization available upon request.

How To Order

FPS2-1000-6000-R - Outline A

FPS2-1000-6000-R-F - Outline B

Customization is available upon request.