

# FIMA-F-S-400-4000

400~4000MHz

**Features:**  
 \* Broad Band  
 \* Low Noise

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

## Electrical

Frequency:	400~4000MHz
Channel Gain:	4dB max.
Channel Gain Ripple:	1dB typ.
Noise Figure:	3dB max.
VSWR:	2 max.
Input Power:	33dBm max.
Switching Speed:	200ns typ.
Impedance:	50Ω
Supply Voltage:	+27V@500mA DC -27V@100mA DC
Control:	TTL High - 1 TTL Low/NC - 0

## Absolute Maximum Ratings\*1

RF Input Power:	+33dBm
TTL Control Voltage:	+5V/0V
Biasing:	27V±10%

[1] Permanent damage may occur if any of these limits are exceeded.

## Mechanical

Size*1:	130*120*20mm 5.118*4.724*0.787in
RF Connectors:	IX Female
Power Supply & Control:	RS10TV
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors.

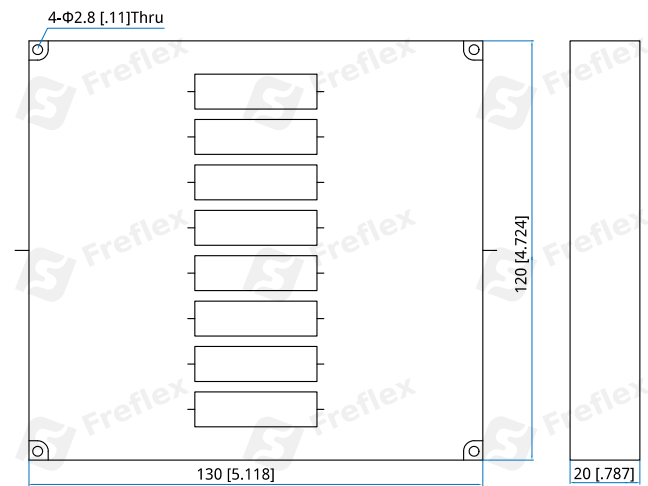
## Environmental

Operating Temperature:	-40~+70°C
Non-operating Temperature:	-55~+125°C

## Logic Table

Channel	C1	C2	C3	Pass band (GHz)	Rejection (GHz)	
Channel 1	0	0	0	0.4~4	0.38GHz&4.2GHz≤-12dB	0.34GHz&4.6GHz≤-28dB
Channel 2	0	0	1	0.4~1	0.38GHz&1.05GHz≤-12dB	0.34GHz&1.15GHz≤-28dB
Channel 3	0	1	0	1~1.5	0.95GHz&1.575GHz≤-12dB	0.85GHz&1.725GHz≤-28dB
Channel 4	0	1	1	1.5~2	1.425GHz&2.1GHz≤-12dB	1.275GHz&2.3GHz≤-28dB
Channel 5	1	0	0	2~2.5	1.9GHz&2.625GHz≤-12dB	1.7GHz&2.875GHz≤-28dB
Channel 6	1	0	1	2.5~3	2.375GHz&3.15GHz≤-12dB	2.125GHz&3.45GHz≤-28dB
Channel 7	1	1	0	3~3.5	2.85GHz&3.675GHz≤-12dB	2.55GHz&4.025GHz≤-28dB
Channel 8	1	1	1	3.5~4	3.325GHz&4.2GHz≤-12dB	2.975GHz&4.6GHz≤-28dB

## Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

## Pin Numbering

Pin	Function	Pin	Function
1	+27V	5	C2
2	GND	6	C3
3	-27V	7~9	NC
4	C1		

## How To Order

**FIMA-F-S-400-4000**

Customization is available upon request.