

FFS-200-14600-MS

0.2~14.6GHz

Features:

- * High Frequency Stability
- * Ultra Low Phase Noise

Applications:

- * Wireless
- * Transceiver
- * Laboratory Test
- * Radar

Electrical

Output Frequency:	0.2~14.6GHz
Step:	0.1Hz
Switching Speed:	200μS max.
Output Power:	0±4dBm
Frequency Stability:	same as reference
Frequency Accuracy:	same as reference
Output Spurious:	-65dBc max.
Output Harmonic:	-5dBc max.
	-40dBc max. @(7.3G~14.6GHz 1/2&3/2 th Harmonic)
External Reference:	100MHz
Reference Power:	7±3dBm
Reference Phase Noise:	-155dBc/Hz max. @1kHz
Voltage:	+12±0.5V DC +15V DC max.
Current:	1A typ.
Control Type:	SPI
Impedance:	50Ω

		Output Phase Noise(dBc/Hz)			
		1GHz	5GHz	10GHz	14.6GHz
Offset	Freq.				
	100Hz	-108	-96	-90	-87
	1KHz	-127	-113	-107	-104
	10KHz	-137	-123	-117	-112
	100KHz	-137	-123	-117	-112
1MHz	-146	-136	-130	-126	

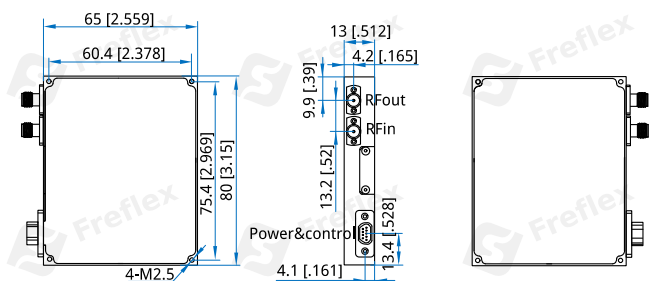
Mechanical

Size ^{*1} :	80*65*13mm 3.15*2.559*0.512in
RF Connectors:	SMA Female (removable)
Power & Control Interface:	J30J-9-ZKP
Mounting:	4-M2.5 Through hole

[1] Exclude connectors.

Environmental

Operating Temperature:	-40~+70°C
Non-operating Temperature:	-55~+85°C

Outline Drawings


Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Pin Numbering

Pin	Function
1	+12V
2	+12V
3	GND
4	GND
5	LD (Locked: high voltage)
6	MOSI (SPI communication interface)
7	MISO (SPI communication interface)
8	SCK (SPI communication interface)
9	LE (SPI communication interface)

How To Order
FFS-200-15000-MS

Customization is available upon request.

Typical Performance Curves:
10GHz Phase Noise (dBc)

