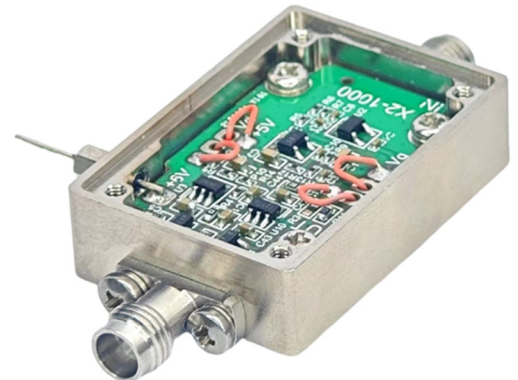


X2 Active Frequency Multiplier

AFM-1550-SM24-2

X2 Active Frequency Multiplier, 15 to 50 GHz, +10 dBm P_{out}

Model AFM-1550-SM25-2 is an active X2 frequency multiplier. The input frequency of the multiplier is 7.5 to 25GHz, with a typical input power of +0dBm, an output frequency of 15 to 50GHz, and a typical output power of +10dBm. The multiplier also has typical harmonic suppression of -15 dBc. The DC power supply requirement for the multiplier is +8 VDC/300 mA. The input port is an internal thread SMA connector, and the output is an internal thread 2.4mm connector. Other port configurations can be provided under different models.



Features:

- Wide Band Coverage
- High Output Power
- Low Harmonic Components

Applications:

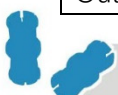
- Frequency Extenders
- Source Modules
- Communication Systems

Electrical Specifications:

Item	Minium	Typical	Maximum
Input Frequency	7.5GHz		25GHz
Input Power		+0dBm	+20dB
Output Frequency	20GHz		50GHz
Output Power		+10dBm	
Harmonic Suppression		-15dBc	
Spurious		-60dBc	
Port Return Loss		10 dB	
DC Voltage	+6VDC	+8VDC	+12VDC
DC Supply Current		300mA	
Operating Temperature	-20°C		75°C

Mechanical Specifications:

Item	Specification
Input	SMA Female
Output	2.4 Female
Bias	Solder Pin
Case Material	Aluminum
Finish	
Weight	45g
Size	L59.8*W26*H10
Outline	



X2 Active Frequency Multiplier



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Mechanical Outline:

