SFP-184194218-0510-SB

WR-05 X2, Passive Frequency Multiplier, 186 to 190 GHz

SFP-184194218-0510-SB is a WR-05 X2 passive multiplier that generates second order harmonics with good harmonic and fundamental suppression. This multiplier requires an input frequency range of 93 to 95 GHz at +26 dBm RF power to yield typical +18 dBm output power at 186 to 190 GHz. The multiplier is equipped with a WR-10 waveguide and UG-387/U-M flange as its input port and a WR-05 waveguide and UG-387/U-M flange as its output port.

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Input Frequency	93 GHz	94 GHz	95 GHz
Output Frequency	186 GHz	188 GHz	190 GHz
Input Power		+26 dBm	
Damage Input Power			+28 dBm
Output Power (@ -10V Bias)	+16 dBm	+18 dBm	
Conversion Efficiency		18%	
Harmonic Suppression		20 dB	
Specification Temperature		+25°C	
Operating Temperature	0°C		+50°C

Mechanical Specifications:

Item	Specification	
RF Input Port	WR-10 Waveguide with UG-387/U-M Flange	SUPPLEMENTAL DETAILS
RF Output Port	WR-05 Waveguide with UG-387/U-M Flange	
Bias Port	SMA (F)	
Material	Aluminum	
Finish	Gold Plated	
Weight	0.4 Oz	
Size	0.75" (L) X 0.75" (W) X 0.75" (H)	
Outline	FP-GW2-A	



ECCN 3A001.b.7

FEATURES

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• THz

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Mechanical Outline: Unless otherwise specified, all dimensions are in inches [millimeters]



NOTE:

• Eravant reserves the right to change the information presented without notice.

CAUTION:

- If a waveguide is present, any foreign objects in the waveguide will cause performance degradation and may damage or destroy the unit.
- Any foreign objects in the antenna will cause performance degradation and possible device damage.

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