

Active Frequency Quadrupler, Model AW-4XW

Description:

Spacek Labs' Model AW-4XW is a MMIC-based, active frequency multiplier which has an input frequency range from 18.7 to 27.5 GHz. The input frequencies are quadrupled (X4) generating an output frequency range from 75 to 110 GHz with an output power of 0 dBm minimum.

Bias specs are 650 mA @ +8 to +12 VDC.

A removeable heatsink is provided.

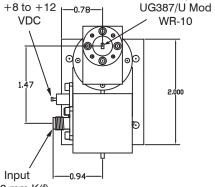
Features:

- Balanced Circuitry
- Unconditionally Stable
- Internal Voltage Regulator
- Heat Sink Included, Removable for Integration.



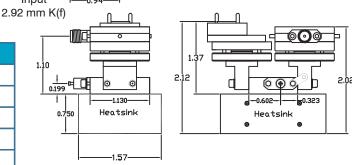
Electrical Specifications:

Description	Min.	Тур.	Max.
Input Frequency Range	18.7 GHz	-	27.5 GHz
Input Power Level	-	15 dBm	-
Output Frequency Range	75 GHz	-	110 GHz
Output Power Level	0 dBm	3 dBm	-
Spurious	-	-25 dBc	-15 dBc
Bias Current / Voltage	650 mA / +8 to +12 VDC		



Mechanical Specifications:

Description	Specification	
Connectors I/O	K(F) / UG387/U Mod	
Dimensions OA	See outline	
Material	Brass	
Finish	Gold	
Weight	3.5 oz	



RF Output

OUTLINE (NOT TO SCALE)

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Notes: Product data is periodically updated to reflect product / raw material / process / testing changes. This data should not be used as guaranteed specifications. Please contact Spacek Labs to make sure you have the most current data.

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