

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:

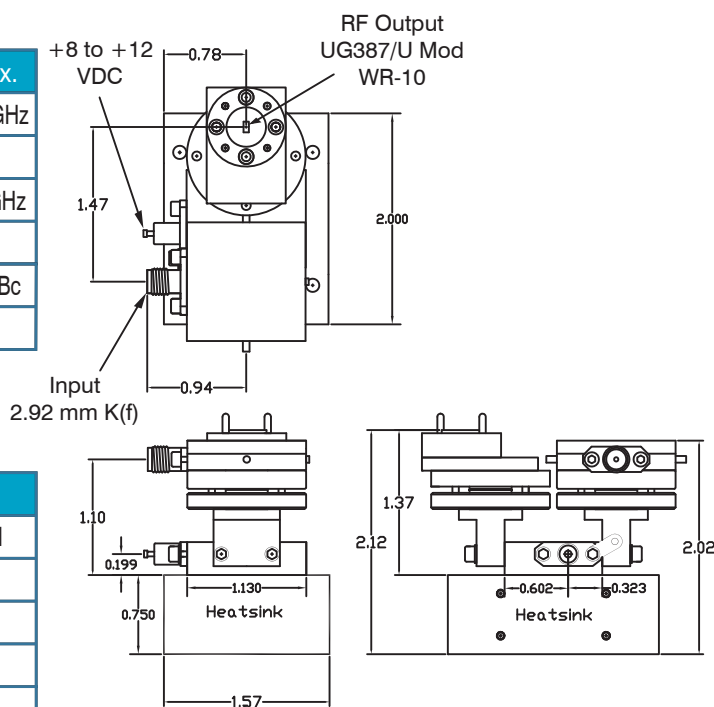
- Balanced Circuitry
- Unconditionally Stable
- Internal Voltage Regulator
- Heat Sink Included, Removable for Integration.

Electrical Specifications:

Description	Min.	Typ.	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



OUTLINE (NOT TO SCALE)

ACTIVE FREQUENCY MULTIPLIER