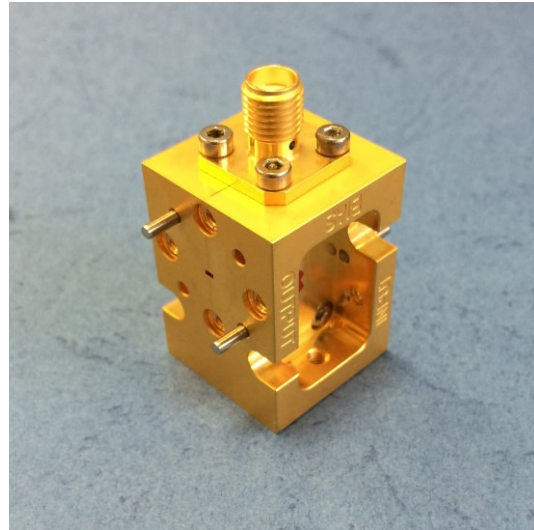


Datasheet

Description

An ultra-high efficiency high power x2 passive multiplier series covering 175-200 GHz in WR-05 band (140-220 GHz).



Features

- Market leading ultra-high efficiency
- Very high output power
- Fixed tuned
- Bias required

Applications

- Frequency multiplication
- Mm-Wave instrumentation
- Signal source frequency extension
- Test and measurement
- LO drive chains

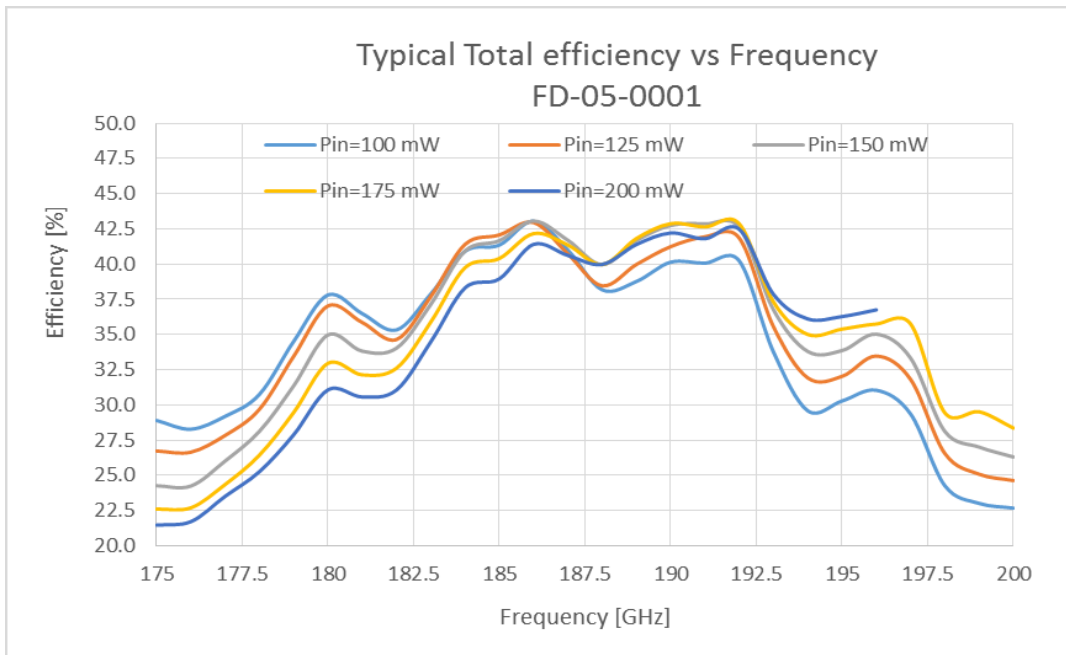
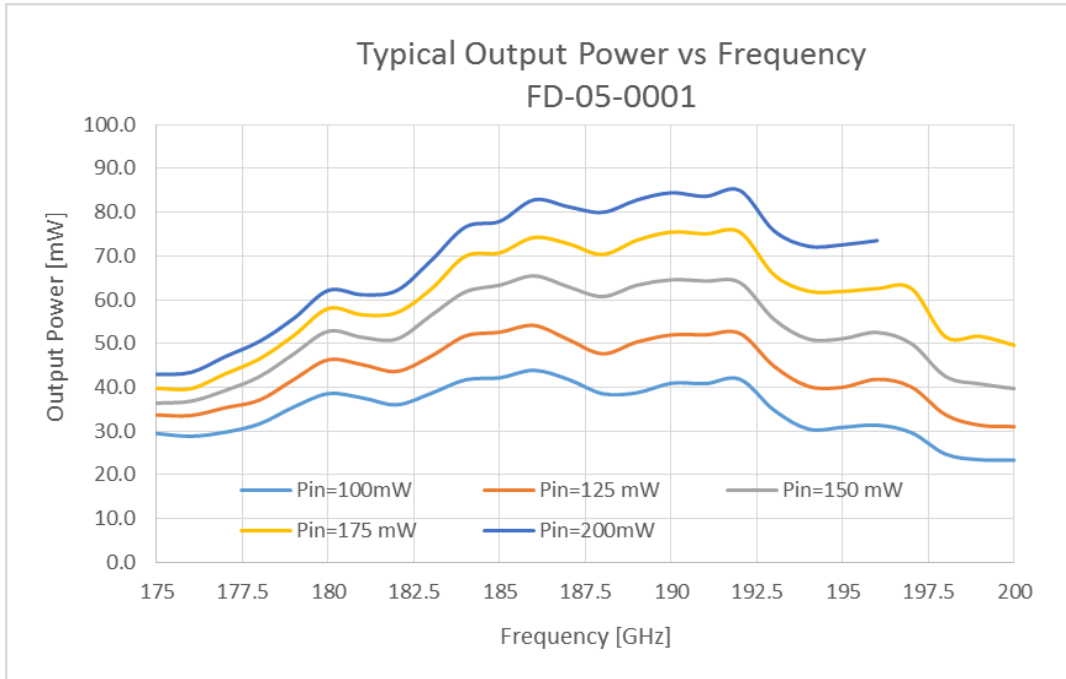
Specification	Unit	Min	Typ	Max
Output Frequency Range ⁽¹⁾	GHz	175		200
Waveguide Designation		WR-05		
Multiplication Factor		2		
Input Power Range ⁽¹⁾	mW	100		200
Output Power Range	mW	15		80
Efficiency	%	15		45
Input Flange		WR-10 UG387/U-M		
Output Flange		WR-05 UG387/U-M		
Negative Bias	[-V]	6		12

Notes:

(1) – Operation outside the specified bandwidth is possible with reduced total efficiency and output power.

- Doublers with other centre frequencies available. Contact factory for more information.
- Driving amplifier / multiplier chains available. Contact factory for more information.

Datasheet



Notes:

Farran Technology reserves the right to change, without notice, the characteristic data and other specifications applied to this product. The product may be subject to Irish export restrictions.