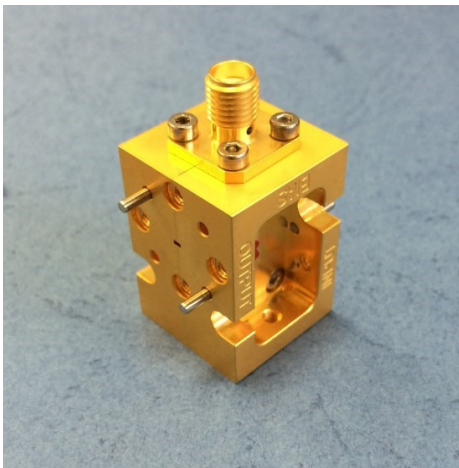


WR-05 x2 Passive Multiplier 175 – 200 GHz HMM2G-022



APPLICATIONS, FEATURES & BENEFITS

- Frequency Multiplication
- MMW Instrumentation
- Signal Source Frequency Extension
- Test and Measurement
- LO Drive Chains

- Superior Efficiency
- Fixed Tuned
- Very High Output Power
- Bias Required

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

TECHNICAL SPECIFICATIONS

DESCRIPTION	Passive Multiplier
OUTPUT FREQUENCY *	175 – 200 GHz
WAVEGUIDE DESIGNATION	WR-05
MULTIPLICATION FACTOR	2
INPUT POWER RANGE	100 – 200 mW
OUTPUT POWER RANGE	15 – 80 mW
EFFICIENCY	15 – 45%
INPUT FLANGE	WR-10 UG387/U-M
OUTPUT FLANGE	WR-05 UG387/U-M
NEGATIVE BIAS	6 – 12 (-VDC)

*Operation outside the specified bandwidth is possible with reduced total efficiency and output power.
 - Doublers with other center frequencies available. Contact factory for more information.
 - Driver amplifier/multiplier chains available. Contact factory for more information

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