

WR6 Waveguide Multiplier up to 170 GHz



TECHNICAL SPECIFICATIONS

- **Frequency Range**
110–170 GHz (D-Band)
- **Input Power**
+3 dBm typical, +8 dBm maximum
- **Harmonic Suppression (X11/X13)**
–20 dBc
- **Current Consumption**
0.5 A
- **Output Connector**
WR-06 UG-387U/M with anti-cocking flange
- **Multiplication Factor**
x12
- **Output Power**
–3 dBm minimum, +0 dBm maximum
- **Operating Voltage**
+5 V drain
- **Input Connector**
SMA-female

APPLICATIONS

SATCOM & Space: Frequency multiplication for satellite communication systems and space-based instrumentation operating in D-Band

Radar & Defense: Stable harmonic generation for advanced radar architectures, FOD detection and military RF systems

6G Research: Next-generation wireless system prototyping and measurement in the mmWave spectrum

D-Band Imaging: High-resolution imaging applications requiring precise frequency generation from 110–170 GHz

Test & Measurement: Core component in laboratory instruments requiring precise D-Band signal generation