

High Power 275-320 GHz Doubler

Part n°:

Product Description

Frequency doubler based on ACST high-power multiplier technology.

Application Areas:

- MM-wave FMCW-Radar
- Active imaging
- LO Source for MM/SubMM wave heterodyne receivers
- High-bit rate data transmission systems



Product Features:

- High power & Efficiency
- Large bandwidth
- Flat response

Technical Specifications

Output Freq. (GHz)	275-320
Output Port (UG 387/U-M)	WR3.4
Max. Output Power (dBm)	+16
Input Freq. (GHz)	137.5-160
Input Port (UG 387/U-M)	WR6
Optimum Input Power (dBm)	+19
Maximum Input Power (dBm)	+21
Conversion Efficiency (%)	25 - 35
DC bias (V)	-3 to -8.5

Typical Performance

