

High Power 137-158 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)	137-158
Output Port (UG 387/U-M)	WR6
Max. Output Power (dBm)	+22
Input Freq. (GHz)	68.5-79
Input Port (UG 387/U-M)	WR12
Optimum Input Power (dBm)	+24
Maximum Input Power (dBm)	+26
Conversion Efficiency (%)	30 - 36
DC bias (V)	-6 to -15

Typical Performance

