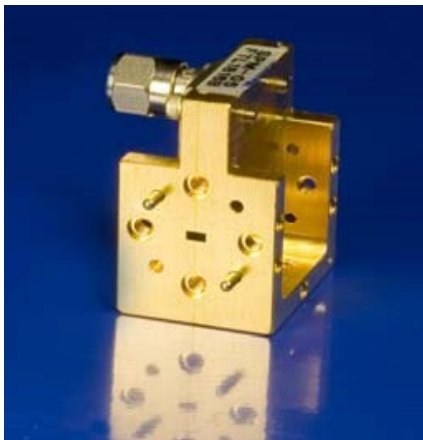


Sub Harmonic Mixer 183 GHz Model HSHM0504



APPLICATIONS, FEATURES & BENEFITS

- Heterodyne Receivers
- Instrumentation
- Imaging Front End
- High Performance
- Sub-Harmonically Pumped
- Low Noise Figure
- Low LO Power Level
- Low Conversion Loss

A high performance sub-harmonically pumped mixer in the WR-05 band.

TECHNICAL SPECIFICATIONS

DESCRIPTION	Sub Harmonic Mixer
RF FREQUENCY	172 – 204 GHz
LO FREQUENCY	84 – 100 GHz
IF FREQUENCY	0.2 – 4 GHz
NOISE FIGURE DSB	4.4 dB typ, 6.5 max
TMIX DSB	500 K typ, 1000 max
CONVERSION LOSS	4.5 dB typ, 6.5 max
LO DRIVE LEVEL	4 dB typ, 6 max
IF BANDWIDTH	>10 GHz
RF WAVEGUIDE	WR-05 UG-387/U-M
LO WAVEGUIDE	WR-10 UG-387/U-M
LO CONNECTOR	SMA (F)

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