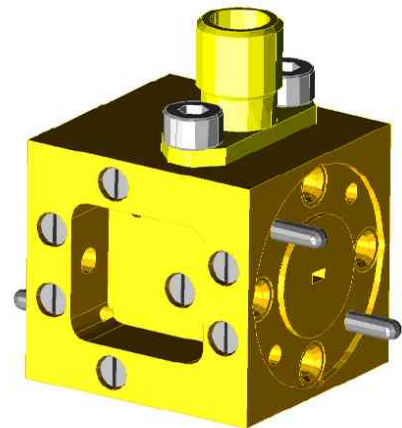
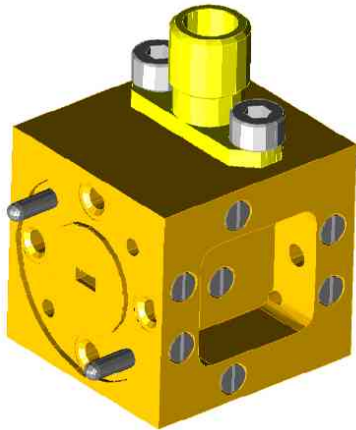


Overview: Sub Harmonic Mixer

Typ. SHM-xxx-F(-M -LN) Overview



Specifications:

Art. No.	RF [GHz]	Noise Temp. [K, DSB]	Conversion Loss	IF Bandwidth	Required LO Power	Waveguide		maximum RF Power
						LO	RF	
SHM-137	110-165	500 K	6 dB	> 20 GHz	4-7 dBm	WR12	WR6.5	+6 dBm
SHM-150	130-170	1000 K	6 dB	> 16 GHz	4-7 dBm	WR12	WR6.5	+6 dBm
SHM-150-LN	130-170	450 K	6 dB	> 16 GHz	4-7 dBm	WR12	WR6.5	0 dBm
SHM-183	167-200	1100 K	6 dB	> 16 GHz	4-7 dBm	WR10	WR5.1	+6 dBm
SHM-183-LN	167-200	500 K	6 dB	> 16 GHz	4-7 dBm	WR10	WR5.1	0 dBm
SHM-220	185-230	1100 K	6 dB	> 18 GHz	4-7 dBm	WR10	WR5.1	+6 dBm
SHM-220-LN	185-230	500 K	6 dB	> 18 GHz	4-7 dBm	WR10	WR5.1	-5 dBm
SHM-280	265-295	700 K	7 dB	> 18 GHz	4-7 dBm	WR6.5	WR3.4	-5 dBm
SHM-300	275-330	1100 K	7 dB	> 18 GHz	4-7 dBm	WR6.5	WR2.8	-5 dBm
SHM-324	310-340	1200 K	8 dB	> 18 GHz	4-7 dBm	WR6.5	WR2.8	-5 dBm
SHM-424	380-440	1650 K	9 dB	> 20 GHz	4-7 dBm	WR4.3	WR2.2	-10 dBm

RF-frequency range: up to 440 GHz

Required LO power: 4-7 dBm @ RF/2

ZF-Connector: SMA-K, Female(-F) or Male (-M)

Mechanical tuner: No

Mixer type: zero bias, balanced

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All data are subject to change without notice!