

## MIXERS, Triple Balanced

Part Number	RF/LO (GHz)	IF (GHz)	Conversion Loss (dB)	IIP3 (dBm)	LO Drive (dBm)	Package	ECCN
MM2-0530(L/H)SM	5-30	2-20	10/9	+19/+28	+15/+20	4mm QFN	EAR99
<a href="#">MM2D-0528SCSM<sup>1</sup></a>	5-28	DC-12	10	+31	+28	4mm QFN	EAR99
MT3-0113(L/H/S)CQG	1.5-13	0.01-7	7.5/7.5/8.5	+24/+30/+36	+15/+20/+27	CQG	EAR99
<a href="#">MT3D-0113LSM<sup>1</sup></a>	1.5-13	see plots	7.5	+27	+17	4mm QFN	EAR99
<a href="#">MT3D-0325HCSM<sup>1</sup></a>	3-25	DC-6	7.5	+25	+20	4mm QFN	EAR99
<a href="#">MT3L-0113HSM</a>	1.5-13	0.25-5	8.5	+20	+31	4mm QFN	EAR99
MT3H-0113(L/H)SM	1.5-13	0.8-8.5	8	+22/+29	+15/+20	4mm QFN	EAR99
T3-18GLCTG(-1/-2)	0.01-18	0.001-10	7.5	+30	+20	CQG	EAR99
T3H-18GLCTG(-1/-2)	0.01-18	0.01-18	9.5	+30	+20	CQG	EAR99
T3-20GLCTG(-1/-2)	0.01-20	0.001-10	7.5	+30	+20	CQG	EAR99
T3H-20GLCTG(-1/-2)	0.01-20	0.01-18	9.5	+30	+20	CQG	EAR99

<sup>1</sup>Differential IF

## MIXERS, Integrated Drive

Part Number	RF/LO (GHz)	IF (GHz)	Conversion Loss (dB)	IIP3 (dBm)	LO Drive (dBm)	Package	ECCN
<a href="#">MT3A-0113HCSM</a>	1.5-13	0.5-8.5	9.5	+28	+5 to +15	6mm QFN	EAR99
<a href="#">MM1A-0222HPSM</a>	2-22	DC-3.5	7.5	+17	+3 to +15	5mm QFN	EAR99
<a href="#">MM1A-0622HPSM</a>	6-22	DC-9	7.5	+21	+3 to +15	5mm QFN	EAR99
<a href="#">MM2A-0530HPSM</a>	5-30	2-22	8	+25	-3 to +3	7mm QFN	EAR99
<a href="#">MM1A-0832HPSM</a>	8-32	DC-12	9	+24	-6 to +6	3x4.6mm QFN	EAR99
<a href="#">MM1A-1040HPSM</a>	10-40	DC-12	10	+23	+3 to +9	3x4.6mm QFN	EAR99
<a href="#">MM1A-1855HPSM</a>	18-55	DC-21	9	+20	+4 to +10	3x4.6mm QFN	EAR99

## ACTIVE DOUBLER

Part Number	Input (GHz)	Output (GHz)	1F Supp (dBc)	3F Supp (dBc)	Bias (V & mA)	Package	ECCN
◆ <a href="#">IADA-2050PSM*</a>	10-25	20-50	24	21	5V @ 233 mA	4mm QFN	EAR99

## PASSIVE MULTIPLIERS & NON LINEAR TRANSMISSION LINES

Part Number	Type	Input (GHz)	Output (GHz)	1F Supp (dBc)	3F Supp (dBc)	Package	ECCN
<a href="#">MMD-0415HPSM</a>	Doubler	2-7.5	4-15	27	38	3mm QFN	EAR99
MMD-1030(LC/H)SM	Doubler	5-15	10-30	31/34	43/46	3mm QFN	EAR99
MMD-2050(L/H)SM	Doubler	10-25	20-50	35/33	46/40	3mm QFN	EAR99
<a href="#">NLTL-6794SM</a>	Comb Generator	0.1-1	0.1-30	—	—	6mm QFN	EAR99
<a href="#">NLTL-6796SM</a>	Comb Generator	0.5-3.5	0.5-50	—	—	6mm QFN	EAR99
<a href="#">NLTL-6273SM</a>	Comb Generator	0.7-5	0.7-24	—	—	5mm QFN	EAR99

\*New Release since 6/1/24

All electrical specifications given are typical values.