

HBT Amplifiers

Features:

Broadband cascadable Dual Matched MMIC amplifier utilizing high-reliability InGaP/GaAs HBT technology.

PartNumber	Division	Frequency (Ghz)	DCPower(W) Tomaintain IM3	Gain (dB)	P-1 (dBm)	P-3 (dBm)	IM3(dBc) @Po= 20dBm/tone	OIP3(dBm) @Po= 20dBm/tone	In /Out ReturnLoss (dB)	GainFlatness (dB)	GainTyp/Min (dB)	LinearGain Typ/Max (dB)	InputRL Typ(dB)	OutputRL Typ(dB)	NF Typ(dB)	Pout @-1dB Typ(dBm)	Vdd (V)	DCCurrent Typ/Max (mA)	GainFlatness Typ/Max (+/-dB)	OIP3(dBm) @Po=10dBm/tone	Package Style	Status
MMA-012030	MWT INC	0.1-20	6 (12V 0.5A)	12.5	27	29	-	-	10	+/- 0.5	-	-	-	-	-	-	-	-	-	37	Chip	Active Part
MMA-012727-R4	MWT INC	0.1-26.5	3.5W (10V 0.35A)	12.5	26	27	-	-	11	+/- 0.5	-	-	-	-	-	-	-	-	-	35	4x4 QFN	Active Part
MMA-012727	MWT INC	0.1-26.5	3.5W (10V 0.35A)	12.5	26	27	-	-	11	+/- 0.5	-	-	-	-	-	-	-	-	-	35	Chip	Active Part
MMA-121633-R5	MWT INC	12.5-15.5	8.4W (6V 1.4A)	23.5 / -	32	34	44	42	10	-	-	-	-	-	-	-	-	-	-	-	5x5 QFN	Active Part
MMA-174321	MWT INC	17-43	1.125W (4.5V 0.25A)	20	21	22	-	-	8	+/- 2.5	-	-	-	-	-	-	-	-	-	26	Chip	Active Part
MMA-174321-R4	MWT INC	17-43	1.125W (4.5V 0.25A)	20	21	22	-	-	8	+/- 2.5	-	-	-	-	-	-	-	-	-	26	4x4 QFN	Active Part
MMA-020624-L3	MWT INC	2-6	-	-	-	-	-	40	-	-	17 / 15	12	10	3	25	8	250 / 300	1 / 1.5	-	L3	Active Part	
MMA-020624-P3	MWT INC	2-6	-	-	-	-	-	40	-	-	17 / 15	12	10	3	25	8	250 / 300	1 / 1.5	-	P3	Active Part	
MMA-273336	MWT INC	27-33	13.2 (6V 2.2A)	22	35.5	36.5	36	38	10	-	-	-	-	-	-	-	-	-	-	-	Chip	Active Part
MMA-273336-R5	MWT INC	27-33	13.2 (6V 2.2A)	22	35.5	36.5	36	38	10	-	-	-	-	-	-	-	-	-	-	-	5x5 QFN	Active Part
MMA-273435-R5	MWT INC	27-34	8.8W (4V 2.2A)	20.5 / -	32	34	45	43	10	-	-	-	-	-	-	-	-	-	-	-	5x5 QFN	Active Part
MMA-283136	MWT INC	28-31	12W (6V 2A)	22	35	36	40	40	10	-	-	-	-	-	-	-	-	-	-	-	Chip	Active Part
MMA-283136-R5	MWT INC	28-31	12W (6V 2A)	22	35	36	40	40	10	-	-	-	-	-	-	-	-	-	-	-	5x5 QFN	Active Part
MMA-005022	MWT INC	30KHz-50	1.4 (7V 0.2A)	15.5	22	25	-	-	10	+/- 1	-	-	-	-	-	-	-	-	-	37	Chip	Active Part
MMA-005022-R4	MWT INC	30KHz-50	1.4 (7V 0.2A)	15.5	22	25	-	-	10	+/- 1	-	-	-	-	-	-	-	-	-	37	4x4 QFN	Active Part
MMA-374030	MWT INC	37-40	10.8W (6V 1.8A)	24	31	32	39*	38*	10	-	-	-	-	-	-	-	-	-	-	-	Chip	Active Part
MMA-374030	MWT INC	37-40	10.8W (6V 1.8A)	24	31	32	39*	38*	10	-	-	-	-	-	-	-	-	-	-	-	Chip	Active Part
MMA-374030-R5	MWT INC	37-40	10.8W (6V 1.8A)	-	31	32	39*	38*	10	-	24	-	-	-	-	-	-	-	-	-	5x5 QFN	Active Part
MMA-374030-R5	MWT INC	37-40	10.8W (6V 1.8A)	24	31	32	39*	38*	10	-	-	-	-	-	-	-	-	-	-	-	5x5 QFN	Active Part
MMA-445933H-02	MWT INC	4.4-5.9	-	-	33	-	-	45	10/7	-	29 / 33	-	-	-	-	-	-	-	-	-	2	Active Part
MLA-06183A-R4	MWT INC	6-18	-	-	-	-	-	-	-	-	-	19	10	11	3	20	4.5	135	2	-	4x4 QFN	Active Part
MMA-062020-C3	MWT INC	6-20	0.6 (5V 0.12A)	13.5	18.3	19.5	-	-	10	+/- 1	-	-	-	-	-	-	-	-	-	28	3X3 QFN	Active Part
MMA-062020	MWT INC	6-20	0.6 (5V 0.12A)	13.5	18.3	19.5	-	-	10	+/- 1	-	-	-	-	-	-	-	-	-	28	Chip	Active Part

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