



**MwT Standard GaAs FETs / PHEMTs RF Properties (RF Properties Listed on First Page)**

Model	Device Type	I <sub>dss</sub> Range Min/Max mA	Gm Tested at Vds/Vgs V/V	Gm Typ/Min mS	Vp Tested at Vds/I <sub>ds</sub> V/mA	Vp Typ/Max (- V)	Bvgso Tested at I <sub>gs</sub> (- mA)	Bvgso Typ/Min (- V)	Bvgdo Tested at I <sub>gd</sub> (- mA)	Bvgdo Typ/Min V/V	Vds Absolute Max V	Chip Rth Typ °C/W
► New												
MwT-1	MESFET	60 / 240	4.0 / 0.0	120 / 90	3.0 / 4.0	2.0 / 5.0	1.0	10.0 / 5.0	1.0	10.0 / 6.0	6.0	80
MwT-2	MESFET	60 / 240	4.0 / 0.0	100 / 75	3.0 / 4.0	2.0 / 5.0	0.4	12.0 / 6.0	0.4	12.0 / 8.0	7.0	80
MwT-3	MESFET	30 / 120	4.0 / 0.0	55 / 35	3.0 / 2.0	2.0 / 5.0	0.2	12.0 / 6.0	0.2	12.0 / 8.0	7.0	150
MwT-4	MESFET	18 / 66	3.0 / 0.0	35 / 27	3.0 / 1.0	1.5 / 4.0	0.2	8.0 / 5.0	0.2	8.0 / 6.0	6.0	250
MwT-5	MESFET	30 / 110	2.0 / 0.0	40 / 23	3.0 / 0.0	2.0 / 4.5	0.4	8.0 / 5.0	0.4	10.0 / 7.0	6.5	150
MwT-7	MESFET	26 / 98	3.0 / 0.0	45 / 36	3.0 / 1.0	1.5 / 4.5	0.4	8.0 / 5.0	0.4	8.0 / 6.0	6.0	180
MwT-LP7	MESFET	38 / 98	3.0 / 0.0	45 / 36	3.0 / 1.0	1.5 / 4.5	0.4	8.0 / 5.0	0.4	8.0 / 6.0	6.0	180
MwT-8	MESFET	120 / 480	2.5 / 0.0	160 / 144	3.0 / 5.0	2.0 / 5.0	1.2	12.0 / 8.0	1.2	12.0 / 8.0	7.5	45
MwT-A9	MESFET	78 / 282	2.0 / 0.0	120 / 95	3.0 / 5.0	2.0 / 5.0	1.0	10.0 / 5.0	1.0	10.0 / 6.0	6.0	70
MwT-A989	MESFET	100 / 200	2.0 / 0.0	90 / 120	3.0 / 5.0	2.5 / 5.0	1.0	10.0 / 5.0	1.0	10.0 / 6.0	8.0	75
► MwT-A989SB	MESFET	100 / 200	2.0 / 0.0	90 / 120	3.0 / 5.0	2.5 / 5.0	1.0	10.0 / 5.0	1.0	10.0 / 6.0	8.0	75
MwT-10	MESFET	8 / 30	3.0 / 0.0	12 / 16	3.0 / 0.5	1.5 / 4.0	0.1	4.0 / 7.0	0.1	5.0 / 7.0	5.0	450
► MwT-11	MESFET	240 / 920	2.5 / 0.0	380 / 290	3.0 / 16.0	2.0 / 5.0	2.4	12.0 / 8.0	2.4	12.0 / 8.0	8.0	28
MwT-16	MESFET	90 / 360	2.0 / 0.0	130 / 108	3.0 / 6.0	2.0 / 5.0	0.6	12.0 / 6.0	0.6	12.0 / 8.0	7.0	55
MwT-17	MESFET	240 / 920	2.0 / 0.0	380 / 290	3.0 / 6.0	2.5 / 5.0	1.6	12.0 / 6.0	1.6	12.0 / 8.0	7.0	33
MwT-1789HL	MESFET	440 / 680	2.5 / 0.0	380	3.0 / 16.0	2.0 / 5.0	2.4	12.0 / 6.0	2.4	12.0 / 9.0	8.0	35
MwT-1789LN	MESFET	440 / 680	2.5 / 0.0	380	3.0 / 16.0	2.0 / 5.0	2.4	12.0 / 6.0	2.4	12.0 / 9.0	8.0	35
MwT-1789SB	MESFET	440 / 680	2.0 / 0.0	380	3.0 / 16.0	2.5 / 5.0	2.4	12.0 / 6.0	2.4	12.0 / 9.0	8.0	30
► MwT-17Q3	MESFET	440 / 680	2.5 / 0.0	380	3.0 / 16.0	2.0 / 5.0	2.4	12.0 / 6.0	2.4	12.0 / 9.0	8.0	35
MwT-22	MESFET	800 / 1200	2.5 / 0.0	650 / 500	3.0 / 30.0	2.0 / 5.0	5.0	12.0 / 8.0	0.5	14.0 / 12.0	9.0	12
► MwT-22Q4	MESFET	800 / 1200	2.5 / 0.0	650	3.0 / 30.5	2.0 / 5.0	5.0	12.0 / 8.0	5.0	14.0 / 12.0	9.0	12
► MwT-25	MESFET	2000/2600	2.5 / 0.0	1500 / 1000	3.0 / 150.0	2.0 / 5.0	14.0	12.0 / 8.0	14.0	16.0 / 14.0	12.0	6
► MwT-PH5	PHEMT	40 / 120	2.5 / 0.0	60 / 40	3.0 / 2.0	1.2 / 2.5	0.4	12.0 / 6.0	0.4	13.0 / 10.0	7.0	150
MwT-PH7	PHEMT	50 / 122	2.5 / 0.0	80 / 50	3.0 / 1.0	1.2 / 2.5	0.4	12.0 / 6.0	0.4	12.0 / 8.0	7.0	150
► MwT-PH8	PHEMT	240 / 600	2.5 / 0.0	320 / 240	3.0 / 8.0	1.2 / 2.5	1.2	12.0 / 6.0	1.2	13.0 / 10.0	8.0	40
MwT-PH9	PHEMT	120 / 292	2.5 / 0.0	200 / 150	3.0 / 5.0	1.2 / 2.5	1.0	12.0 / 6.0	1.0	13.0 / 10.0	8.0	56
MwT-PH11	PHEMT	440 / 800	2.0 / 0.0	800 / 450	3.0 / 16.0	1.2 / 2.5	2.4	12.0 / 6.0	2.4	13.0 / 10.0	8.0	24
► MwT-PH15	PHEMT	120 / 240	2.5 / 0.0	200 / 130	3.0 / 2.0	1.2 / 2.5	1.0	12.0 / 6.0	1.0	13.0 / 10.0	8.0	65
► MwT-PH15QACSB	PHEMT	120 / 240	2.0 / 0.0	200 / 130	--	--	--	--	--	--	8.0	65
► MwT-PH16	PHEMT	150 / 360	2.5 / 0.0	280 / 180	3.0 / 3.0	1.2 / 2.5	1.0	12.0 / 6.0	1.0	13.0 / 10.0	8.0	45
► MwT-PH16A	PHEMT	300 / 600	2.0 / 0.0	400 / 300	3.0 / 2.0	1.2 / 2.5	2.0	8.0 / 6.0	2.0	13.0 / 10.0	9.0	30

NOTE: Contact Factory For Binning Ranges