



## GaAs FETs/pHEMTs/HFETs

### Features:

- Ultra Linear, High Dynamic Range, Low Phase Noise
- Approved for Space Applications with Proven Reliability
- Commercial, Industrial, Military, and Space Grade
- 100% Wafer Bond Pull, Die Shear, Wafer DC Burn In, Bake Tests in Evaluation: MIL-PRF-38534
- 100% Die Probe Test with Data Recorded for Shipment
- 100% Visual Performed (Level 1, 3, or 4) before Shipment
- 100% Idss Match to Provide Performance Consistency



Part Number	Gate Width Length (um)	Gate Layout	Gate Drain Bond Pads (Qty)	Chip Thick & VIA Hole (mil y/n)	S.SGain @12GHz Typ/Min (dB)	N.F. @ 12G Hz Typ/Max (dB)	Ga@N. F. @12G Hz Typ/Min (dB)	P-1dB@ 12GHz Typ/Min (dBm)	Nominal ChipSize (um•um)	Ideal Circuit	Package Style	Status
<u>MwT-H25</u>												
<u>MwT-H24</u>												
<u>MwT-H22Q4</u>												Active Part
<u>MwT-H22</u>												Active Part
<u>MwT-H17</u>												Active Part
<u>MwT-PH4</u>												Active Part
<u>MwT-1789</u>												Active Part
<u>MwT-1789SB</u>	2400/0.8	interdigit	4,4,5	4, no	-	(5)	18.0 (1)	28.0	1130 • 279	power amp	SOT-89	Active Part
<u>MwT-1789LN</u>	2400/0.8	interdigit	4,4,5	4, no	-	(4)	16.0 (1)	28.0	1130 • 279	low noise	SOT-89	Active Part
<u>MwT-1789HL</u>	2400/0.8	interdigit	4,4,5	4, no	-	(3)	14.0 (1)	28.0	1130 • 279	high linearity	SOT-89	Active Part
<u>MwT-17</u>	2400/0.8	interdigit	4,4,5	5, no	7.0/6.0	(2)	-	29.5/28.5	1130 • 279	BA/FB amp	89/71	Active Part
<u>MwT-16</u>	900/0.3	single stripe	6,2,7	5, no	8.5/7.5	-	-	27.0/26.0	1067 • 241	BA amp		Active Part
<u>MwT-15</u>	630/0.3	single stripe	4,2,5	5, no	9.5/8.5	-	-	25.0/23.0	775 • 241	amp		Active Part
<u>MwT-9</u>	750/0.3	interdigit	1,1,2	5, no	9.0/8.0	-	-	26.0/25.0	419 • 292	FB amp	70, 73/71	Active Part

<u>MwT-8</u>	2400/0.3	interdigit	2,2,3	4, no	7.5/7.0	-	-	28.0/27.0	673 • 305	power amp	71	Active Part
<u>MwT-6</u>	900/0.3	interdigit	2,2,3	5, no	8.0/7.5	-	-	27.0/26.0	559 • 292	FB/DA amp	-/71	Active Part
<u>MwT-2</u>	630/0.3	single stripe	2,2,3	5, no	8.5/8.0	-	-	24.5/23.0	775 • 241	BA amp	70, 73/71	Active Part
<u>MwT-5</u>	2 • 300/0.3	dual gate	3,1,2	5, no	13.0/12.0	3.5/-	11.0/-	19.0/15.0	406 • 241	buffer amp		Active Part
<u>MwT-3</u>	300/0.3	single stripe	1,1,2	5, no	11.0/10.0	-	-	21.0/20.0	406 • 241	BA amp	70, 73/71	Active Part
<u>MwT-1</u>	630/0.3	single stripe	1,1,2	5, no	10.0/9.0	2.0/-	7.0/-	24.0/23.0	775 • 241	FB amp	70, 73/71	Active Part
<u>MwT-A989SB</u>	750/0.5	interdigit	1,1,2	4, no	17.0/15.0 (1)	0.9(1)	-	25.0/23.0	419 • 292	power amp	SOT-89	Active Part
<u>MwT-A989</u>	750/0.5	interdigit	1,1,2	4, no	17.0/15.0 (1)	0.9(1)	-	25.0/23.0	419 • 292	power amp	SOT-89	Active Part
<u>MwT-A9</u>	750/0.3	single stripe	1,1,2	5, no	9.5/8.5	1.8/-	6.5/6.0	25.5/23.0	419 • 292	FB amp	84, 70, 73/71	Active Part
<u>MwT-LP7</u>	250/0.3	single stripe	2,2,2	5, no	10.5/10.0	2.0/-	8.0/-	20.0/18.0	356 • 241	osc	70, 73/NA	Active Part
<u>MwT-7</u>	250/0.3	single stripe	2,2,2	5, no	10.5/10.0	2.0/-	8.0/-	20.0/18.0	356 • 241	BA/SE amp	70, 73/NA	Active Part
<u>MwT-4</u>	180/0.3	single stripe	1,1,2	5, no	9.0/8.0	1.5/1.8	9.0/8.0	14.0/13.0	356 • 241	osc & amp	70, 73/NA	Active Part
<u>MwT-17Q3</u>	2400/0.8	interdigit	4,4,5	4, no	18.0/16.0 (1)	1.5 (1)	-	28.0/27.0	1130 • 279	power amp	QFN	Active Part
<u>MwT-11</u>	2400/0.3	interdigit	2,2,3	4, no	9.0/7.0	-	-	30.0/28.0	775 • 343	power amp	71	Active Part
<u>MwT-PH16A</u>	1600/0.25	interdigit	4,4,5	4, no	11.0/9.5	-	-	31.0/29.0	1126 • 330	Medium pow		Active Part
<u>MwT-PH16</u>	900/0.3	single stripe	6,2,7	4, no	11.5/10.0	-	-	30.0/28.5	1067 • 241	Medium pow	71	Active Part
<u>MwT-PH15</u>	630/0.3	single stripe	3,2,5	4, no	12.0/10.0	-	-	28.5/27.0	775 • 241	Medium pow	70, 73/71	Active Part
<u>MwT-PH11</u>	2400/0.	interdigit	2,2,3	4, no	9.0/7.0	-	-	32.0/30.	775 • 343	Power	71	Active

	3	it						0		Amp		Part
<u>MwT-PH9</u>	750/0.3	interdig it	1,1,2	4, no	10.0/9.0	-	-	27.0/26. 0	419 • 292	Power Amp	70, 73/71	Active Part
<u>MwT-PH8</u>	1200/0. 3	interdig it	2,2,3	4, no	10.0/9.0	-	-	30.0/29. 0	673 • 305	Mediu m pow	71	Active Part
<u>MwT-PH7</u>	250/0.3	single stripe	2,1,2	4, no	13.5/12.0	-	-	24.0/22. 0	356 • 241	Mediu m pow	70, 73/71	Active Part
<u>MwT-PH5</u>	300/0.3	single stripe	1,1,2	4, no	18.0/15.0	2.0/-	12.0/-	20.0/18. 0	406 • 241	Power Amp		Active Part
<u>MwT-LN600</u>	600/.15	-	-	-	-	0.50	9/8	20.0	-	-		Active Part
<u>MwT-LN300</u>	300/.15	-	-	-	-	0.60	10/-	16.0	-	-		Active Part
<u>MwT-LN240</u>	240/.15	-	-	-	-	0.50	10/-	16.0	-	-		Active Part
<u>MwT-LN180</u>	180/.15	-	-	-	-	0.50	10/-	16.0	-	-		Active Part

**GD Rectifiers Ltd.** Bentley House, 2 William Way, Burgess Hill, West Sussex RH15 9AG.

**Tel: 01444 243452 Fax: 01444 870722**

**Email: [enquiries@gdrectifiers.co.uk](mailto:enquiries@gdrectifiers.co.uk) Website: [www.gdrectifiers.co.uk](http://www.gdrectifiers.co.uk)**