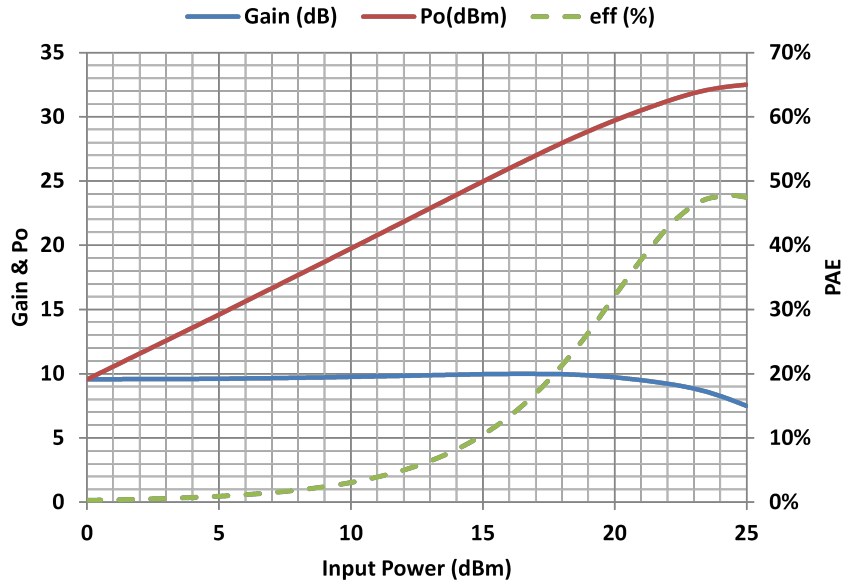
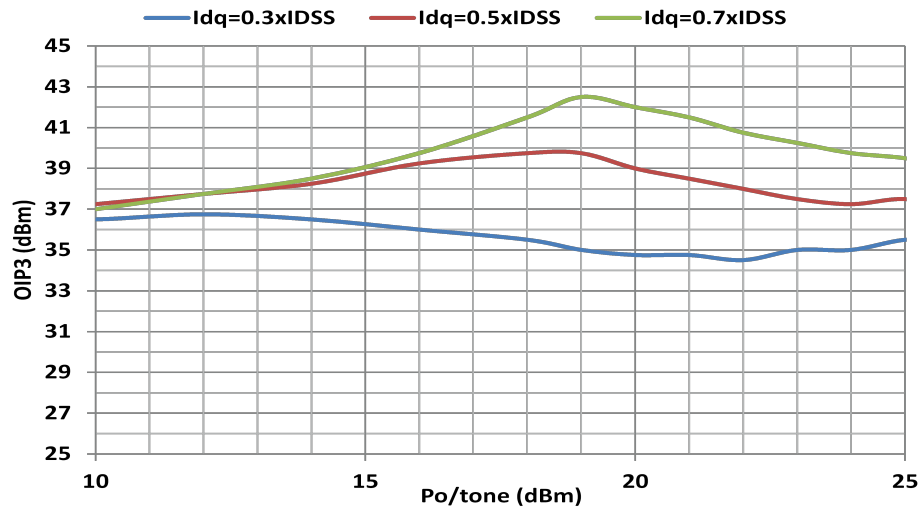


MwT-PH11F, Po, Gain & PAE vs Pin at 12GHz
 Vds=8V; Idq=0.7xIDSS



MwT-PH11F, OIP3 at different Idq vs Po/tone at 12GHz
 Vds=8V; Idq=0.7xIDSS





S-Parameters

S-PARAMETER Vds=8V, Ids= 0.7 x Idss

Freq. GHz	S11		S21		S12		S22		K	GMAX dB
	dB	Ang (°)	dB	Ang (°)	dB	Ang (°)	dB	Ang (°)		
1	-0.763	-138.853	22.454	104.657	-32.283	24.086	-10.055	-141.617	0.198	27.369
2	-0.782	-162.491	16.940	88.129	-31.888	16.281	-9.522	-155.023	0.355	24.414
3	-0.782	-172.386	13.489	78.106	-31.691	14.649	-9.063	-158.581	0.506	22.590
4	-0.765	-178.660	10.927	69.522	-31.687	15.944	-8.493	-159.528	0.649	21.307
5	-0.779	176.661	9.000	63.408	-31.705	16.914	-8.075	-160.496	0.825	20.353
6	-0.724	172.409	7.458	56.174	-31.325	20.538	-7.713	-161.777	0.874	19.392
7	-0.626	167.937	6.081	48.726	-31.182	22.865	-7.138	-164.037	0.847	18.632
8	-0.649	165.699	4.698	42.454	-31.102	25.258	-6.507	-164.374	0.975	17.900
9	-0.682	162.970	3.306	35.880	-30.956	28.978	-6.067	-167.164	1.176	14.588
10	-0.706	159.631	2.315	30.167	-30.553	31.225	-5.566	-168.217	1.251	13.415
11	-0.617	156.253	1.426	23.731	-30.040	33.719	-5.113	-171.388	1.098	13.822
12	-0.573	154.102	0.426	18.200	-29.763	36.298	-4.710	-173.542	1.065	13.533
13	-0.658	151.563	-0.521	12.655	-29.071	38.997	-4.329	-176.096	1.221	11.441
14	-0.643	149.995	-1.500	8.204	-28.735	41.598	-3.953	-178.800	1.235	10.697
15	-0.597	146.658	-2.154	3.022	-27.751	42.833	-3.642	178.934	1.053	11.393
16	-0.521	144.626	-3.083	-2.331	-27.212	44.068	-3.379	175.452	0.923	12.065
17	-0.550	142.697	-3.861	-6.552	-26.676	42.849	-3.077	172.963	0.924	11.408
18	-0.545	141.770	-4.635	-10.760	-25.991	43.314	-2.809	169.448	0.866	10.678
19	-0.556	140.063	-5.485	-14.316	-25.389	43.335	-2.692	167.217	0.886	9.952
20	-0.412	136.960	-6.123	-19.011	-24.765	43.199	-2.487	165.318	0.605	9.321
21	-0.618	135.138	-7.123	-22.456	-24.364	44.264	-2.292	162.103	0.966	8.620
22	-0.571	133.208	-7.758	-25.816	-23.792	42.959	-2.022	159.794	0.804	8.017
23	-0.489	132.372	-8.341	-28.947	-23.064	40.411	-2.015	156.412	0.652	7.362
24	-0.571	130.488	-9.202	-31.466	-23.041	39.155	-1.989	154.674	0.842	6.919
25	-0.589	128.512	-9.857	-35.045	-22.395	37.303	-1.675	150.780	0.750	6.269
26	-0.495	127.182	-10.469	-37.584	-22.030	36.296	-1.572	148.225	0.610	5.781

ORDERING INFORMATION:

When placing order or inquiring, please specify wafer number, if known. For details of Safe Handling Procedure please see supplementary information in available PDF on our website www.mwtinc.com. For package information, please see supplementary application note in PDF format by clicking located on our website.

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