







## S-Parameters

S-PARAMETER $V_{ds}=7V$ , $I_{ds}=0.7 \times I_{dss}$										
Freq.	S11		S21		S12		S22		K	GVAX
GHz	dB	Ang(°)	dB	Ang(°)	dB	Ang(°)	dB	Ang(°)		dB
1	-0.797	-105.764	23.698	120.928	-30.475	36.428	-9.913	-66.285	0.142	27.086
2	-1.013	-142.316	19.168	98.781	-29.182	21.607	-12.065	-91.703	0.246	24.175
3	-1.074	-158.417	15.918	86.533	-28.890	14.949	-12.426	-103.823	0.361	22.404
4	-1.066	-168.735	13.455	76.864	-28.912	12.818	-12.109	-111.656	0.474	21.184
5	-1.135	-175.599	11.713	69.433	-28.982	11.368	-11.534	-115.912	0.622	20.347
6	-1.075	178.059	10.277	62.338	-28.608	11.162	-11.291	-117.393	0.663	19.443
7	-1.060	172.527	8.897	54.790	-28.664	11.342	-10.580	-121.871	0.761	18.781
8	-0.908	168.363	7.649	48.712	-28.888	12.493	-9.686	-127.227	0.737	18.268
9	-0.929	163.974	6.443	41.824	-29.157	13.847	-8.853	-133.165	0.887	17.800
10	-0.896	159.729	5.405	35.820	-29.187	15.047	-8.264	-137.075	0.952	17.296
11	-1.021	155.950	4.434	28.977	-29.154	18.775	-7.715	-141.092	1.220	13.962
12	-0.905	152.770	3.551	23.436	-29.122	20.573	-7.112	-144.743	1.144	14.033
13	-0.890	149.662	2.669	17.844	-28.938	24.087	-6.508	-148.828	1.184	13.208
14	-0.841	147.238	1.840	12.607	-28.562	27.535	-5.987	-153.195	1.135	12.972
15	-0.894	144.635	1.199	7.394	-28.365	29.575	-5.594	-156.596	1.247	11.787
16	-0.856	140.767	0.125	1.689	-27.839	32.064	-5.162	-160.689	1.237	11.049
17	-0.771	138.480	-0.600	-3.283	-27.337	33.623	-4.824	-164.458	1.089	11.553
18	-0.612	135.783	-1.326	-9.305	-26.534	35.571	-4.296	-168.525	0.748	12.604
19	-0.631	133.950	-1.999	-12.797	-26.039	36.300	-4.007	-171.216	0.761	12.020
20	-0.668	130.846	-2.771	-17.623	-25.622	37.231	-3.771	-174.525	0.836	11.426
21	-0.728	130.194	-3.354	-20.861	-24.776	35.806	-3.332	-177.864	0.786	10.711
22	-0.743	127.846	-4.125	-24.898	-24.335	38.120	-3.117	-179.188	0.827	10.105
23	-0.641	125.806	-4.776	-29.541	-23.912	35.358	-3.003	-175.194	0.669	9.568
24	-0.643	123.589	-5.319	-33.051	-23.417	35.689	-2.775	-172.108	0.642	9.049
25	-0.662	121.452	-6.156	-36.456	-22.474	34.629	-2.492	-169.560	0.582	8.159
26	-0.666	119.436	-6.822	-39.518	-22.043	33.914	-2.303	-166.785	0.566	7.611
27	-0.688	117.606	-7.493	-42.911	-21.454	32.623	-1.999	-163.882	0.503	6.981
28	-0.543	116.052	-8.099	-45.599	-21.207	30.986	-1.970	-161.331	0.362	6.554
29	-0.616	113.503	-8.716	-48.616	-20.636	29.121	-1.895	-159.018	0.422	5.960
30	-0.588	112.267	-9.324	-51.172	-20.334	27.951	-1.814	-155.833	0.398	5.505

### 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](http://www.mwtinc.com). For package information, please see supplementary application note in PDF format by clicking located on our website.

**Chip** MwT-PH8F  
**Package 71** MwT-PH8F71