

S-PARAMETER V_{ds}=6V, I_{ds}= 0.7 x I_{ds}

Freq.	S11		S21		S12		S22		K	GMAX
GHz	dB	Ang (°)	dB	Ang (°)	dB	Ang (°)	dB	Ang (°)		dB
1	-0.586	-10.932	11.963	168.981	-46.999	83.781	-1.057	-4.047	0.812	29.481
2	-0.665	-21.359	11.850	158.721	-41.218	78.419	-1.086	-8.292	0.525	26.534
3	-0.788	-31.452	11.664	148.752	-37.963	71.284	-1.129	-12.133	0.506	24.813
4	-0.952	-41.584	11.438	138.778	-35.887	65.896	-1.159	-16.103	0.519	23.663
5	-1.126	-50.186	11.077	129.326	-34.461	61.163	-1.315	-20.285	0.593	22.769
6	-1.294	-59.278	10.676	120.403	-33.552	57.512	-1.501	-22.832	0.686	22.114
7	-1.629	-67.336	10.360	111.513	-32.670	51.730	-1.397	-27.056	0.751	21.515
8	-1.785	-76.046	10.049	103.060	-32.040	48.126	-1.469	-30.428	0.795	21.045
9	-1.992	-84.861	9.762	94.576	-31.559	44.478	-1.495	-33.909	0.841	20.660
10	-2.127	-92.223	9.485	86.527	-31.336	41.549	-1.425	-37.483	0.851	20.410
11	-2.366	-100.035	9.092	78.385	-31.133	37.384	-1.455	-41.176	0.941	20.113
12	-2.477	-107.334	8.827	70.834	-31.142	34.411	-1.459	-44.608	0.989	19.985
13	-2.605	-114.579	8.532	62.809	-31.411	31.758	-1.375	-48.348	1.026	18.992
14	-2.705	-121.340	8.169	55.257	-31.720	29.030	-1.384	-52.261	1.116	17.870
15	-2.793	-127.874	7.870	47.661	-32.359	28.636	-1.264	-55.753	1.144	17.812
16	-2.828	-134.048	7.610	40.430	-32.911	28.759	-1.135	-60.133	1.114	18.207
17	-2.839	-139.752	7.272	33.063	-33.671	30.749	-1.027	-64.255	1.104	18.511
18	-2.818	-145.291	6.993	25.669	-34.484	33.431	-0.879	-68.499	1.025	19.776
19	-2.782	-150.694	6.712	18.589	-35.437	41.824	-0.725	-72.747	0.851	21.074
20	-2.723	-155.783	6.432	11.146	-36.013	52.552	-0.575	-77.547	0.576	21.223
21	-2.653	-160.797	6.178	3.738	-36.062	58.436	-0.409	-82.496	0.249	21.120
22	-2.576	-165.138	5.888	-3.559	-35.376	72.522	-0.182	-87.488	-0.280	20.632
23	-2.507	-169.324	5.599	-11.177	-34.224	89.412	0.031	-92.560	-0.731	19.911
24	-2.325	-174.035	5.343	-18.775	-32.430	94.462	0.261	-97.751	-1.038	18.886
25	-2.182	-178.106	5.071	-26.257	-30.832	98.001	0.470	-103.140	-1.227	17.952
26	-2.076	177.969	4.736	-33.979	-29.018	100.184	0.678	-108.574	-1.345	16.877

MAXIMUM RATINGS AT Ta = 25 °C

Symbol	Parameter	Units	Cont Max1	Absolute Max2
VDS	Drain to Source Volt.	V	See Safe Operating Limits	
Tch	Channel Temperature	°C	+150	+175
Tst	Storage Temperature	°C	-65 to +150	+175
Pin	RF Input Power	mW	95	145

Notes:

1. Exceeding any one of these limits in continuous operation may reduce the mean-time- to-failure below the design goal.
2. Exceeding any one of these limits may cause permanent damage.

ORDERING INFORMATION:

When placing order or inquiring, please specify wafer number, if known. All dice are Visual Level 3 (military grade visual screening). MwT cannot guarantee dice will fall at the lower or upper end of the I_{ds} Range. For details of Safe Handling Procedure please see supplementary information in available PDF on our website www.mwtinc.com.

Available Packaging:

71 Package - MwT-5F71