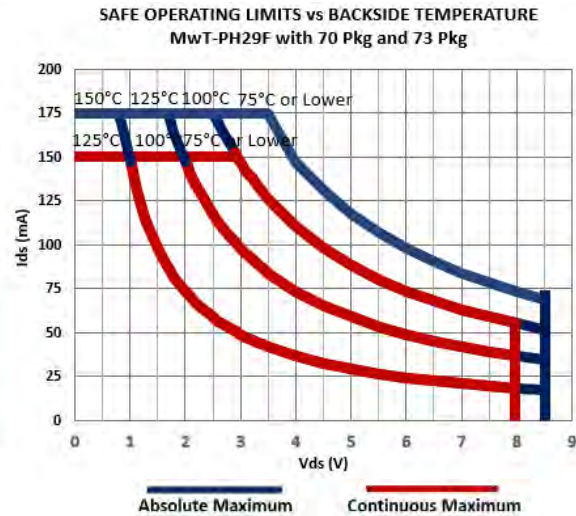
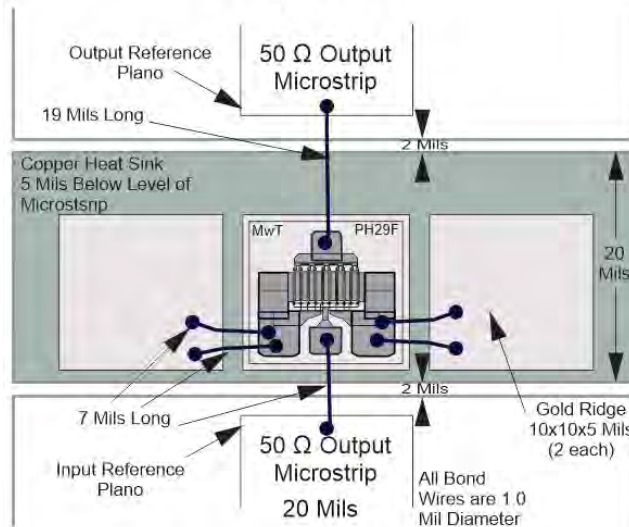


MwT-PH29F DUAL BIAS



Absolute Maximum Rating

Symbol	Parameter	Units	Cont Max1	Absolute Max2
VDS	Drain to Source Volt.	V	8.0	8.5
Tch	Channel Temperature	°C	+150	+175
Tst	Storage Temperature	°C	-65 to +150	+175
Pin	RF Input Power	mW	300	400

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.



S-Parameters

S-PARAMETER Vds=8.0V, Ids= 0.7 x Idss

Freq. GHz	S11		S21		S12		S22		K	GMAX dB
	dB	Ang (°)	dB	Ang (°)	dB	Ang (°)	dB	Ang (°)		
1	-0.712	-67.337	23.023	139.525	-32.599	57.496	-5.155	-23.436	0.169	27.811
2	-1.353	-108.137	20.085	115.840	-29.767	41.079	-6.895	-34.175	0.300	24.926
3	-1.665	-131.813	17.484	100.794	-28.622	34.042	-7.978	-40.417	0.423	23.053
4	-1.763	-146.856	15.400	89.895	-28.156	31.334	-8.553	-45.057	0.530	21.778
5	-1.885	-157.678	13.551	81.830	-28.171	31.322	-9.010	-50.315	0.699	20.861
6	-1.916	-165.644	12.211	74.642	-27.788	33.022	-9.071	-53.629	0.786	20.000
7	-1.895	-173.359	10.986	67.218	-27.597	34.315	-9.208	-58.792	0.877	19.291
8	-1.799	-178.234	9.805	61.180	-27.386	35.942	-9.089	-66.587	0.920	18.596
9	-1.812	176.799	8.648	54.437	-27.206	39.784	-9.273	-73.885	1.057	16.466
10	-1.777	171.859	7.816	48.903	-26.686	40.303	-8.856	-79.598	1.045	15.947
11	-1.680	166.906	7.074	42.841	-26.328	44.397	-8.779	-86.121	1.033	15.586
12	-1.603	163.630	6.265	37.485	-25.918	47.483	-8.540	-93.146	1.026	15.103
13	-1.640	160.115	5.521	31.985	-25.233	49.370	-8.271	-100.349	1.050	14.016
14	-1.615	157.560	4.698	27.199	-24.623	52.216	-7.926	-107.380	1.050	13.287
15	-1.533	152.951	4.147	22.340	-24.021	54.193	-7.658	-113.008	0.987	14.084
16	-1.353	150.924	3.478	16.561	-22.985	54.691	-7.219	-121.113	0.798	13.231
17	-1.425	148.177	2.835	11.779	-22.403	55.650	-6.777	-127.836	0.839	12.619
18	-1.311	146.809	2.236	7.466	-21.459	56.044	-6.257	-135.260	0.706	11.848
19	-1.286	145.148	1.551	3.522	-20.735	55.550	-6.003	-140.108	0.675	11.143
20	-1.136	140.448	1.032	-1.969	-20.112	54.770	-5.697	-145.992	0.573	10.572
21	-1.230	137.630	0.160	-7.121	-19.229	55.449	-5.186	-151.442	0.604	9.695
22	-1.163	135.653	-0.361	-11.359	-18.769	54.385	-4.748	-156.476	0.539	9.204
23	-1.003	134.207	-0.870	-15.331	-18.253	51.773	-4.515	-162.925	0.435	8.691
24	-1.066	131.414	-1.646	-19.291	-17.634	50.708	-4.317	-168.685	0.490	7.994
25	-1.027	129.270	-2.280	-24.007	-17.122	48.641	-3.752	-174.041	0.420	7.421
26	-0.915	127.789	-2.841	-27.153	-16.387	45.878	-3.430	-178.848	0.320	6.773
27	-0.862	125.477	-3.472	-30.993	-15.709	44.780	-3.126	-176.329	0.280	6.119
28	-0.863	124.404	-4.116	-33.323	-15.403	42.689	-2.958	-171.827	0.287	5.643
29	-0.850	121.049	-4.841	-36.377	-14.913	40.266	-2.709	-167.484	0.284	5.036
30	-0.883	119.313	-5.459	-38.681	-14.322	37.936	-2.480	-163.570	0.282	4.431

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.

Available Packaging:

- 70 Package - MwT-PH29F70
- 71 Package - MwT-PH29F71
- 73 Package - MwT-PH29F73