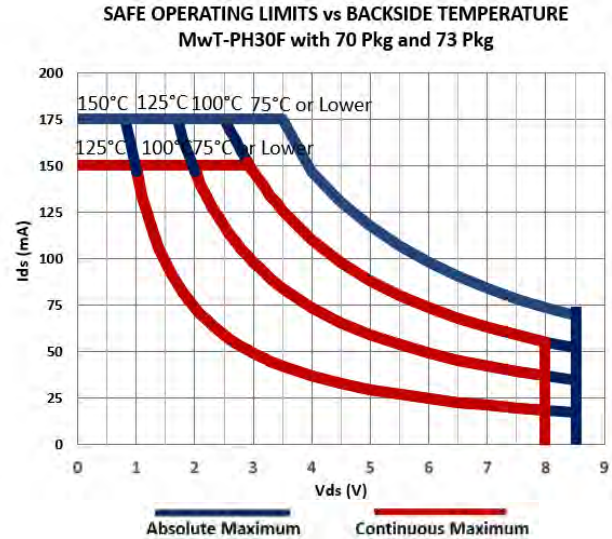
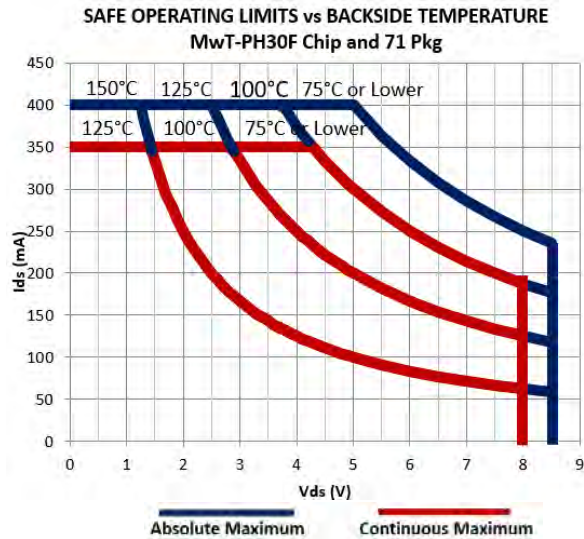
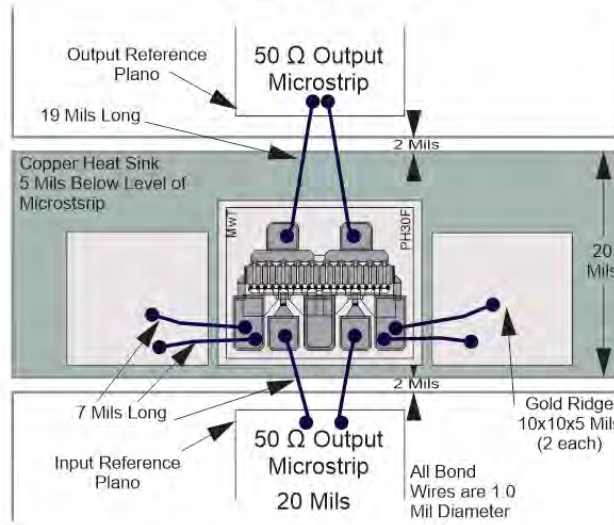


MwT-PH30F DUAL BIAS



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	-0.652	-74.597	22.941	136.307	-30.869	51.647	-5.689	-31.679	0.130	26.905
2	-1.092	-116.007	19.701	112.057	-28.123	33.014	-7.922	-46.483	0.219	23.912
3	-1.274	-138.647	16.987	97.045	-27.387	23.524	-9.233	-54.738	0.315	22.187
4	-1.364	-152.728	14.808	86.259	-27.081	18.767	-9.825	-61.819	0.408	20.945
5	-1.391	-162.796	12.905	78.067	-27.049	15.831	-10.157	-67.798	0.513	19.977
6	-1.391	-170.373	11.537	70.657	-26.862	14.934	-10.196	-71.799	0.586	19.199
7	-1.393	-177.875	10.322	63.209	-26.930	13.278	-10.219	-77.723	0.682	18.626
8	-1.353	177.875	9.131	56.537	-27.087	13.092	-9.734	-85.242	0.752	18.109
9	-1.390	172.838	7.875	49.967	-27.330	14.774	-9.751	-92.406	0.936	17.603
10	-1.322	168.152	7.007	43.722	-27.145	14.405	-9.080	-97.975	0.923	17.076
11	-1.176	163.081	6.163	37.399	-27.227	15.738	-8.944	-104.071	0.903	16.695
12	-1.164	159.795	5.339	32.004	-27.309	17.415	-8.477	-110.028	0.976	16.324
13	-1.215	156.044	4.521	26.163	-27.258	18.948	-8.087	-116.083	1.108	13.893
14	-1.219	152.982	3.677	21.150	-27.027	21.685	-7.695	-122.260	1.177	12.802
15	-1.006	148.974	3.044	15.549	-26.817	24.672	-7.381	-127.424	0.976	14.931
16	-1.084	146.844	2.439	9.983	-26.485	27.458	-6.842	-133.042	1.059	12.973
17	-1.058	144.249	1.784	5.267	-26.262	28.980	-6.416	-138.430	1.055	12.590
18	-1.102	141.709	1.103	1.217	-25.612	31.156	-5.899	-143.788	1.060	11.857
19	-0.965	139.573	0.412	-3.994	-25.184	32.602	-5.712	-148.353	0.923	12.798
20	-0.921	136.584	-0.080	-8.757	-24.430	33.808	-5.372	-153.173	0.808	12.175
21	-0.874	133.891	-0.907	-14.602	-24.112	35.757	-5.108	-156.664	0.790	11.603
22	-0.940	132.014	-1.464	-18.447	-23.318	34.754	-4.677	-162.025	0.780	10.927
23	-0.776	130.364	-2.040	-22.707	-23.003	35.322	-4.421	-167.422	0.605	10.481
24	-0.796	127.534	-2.730	-27.372	-22.459	33.696	-4.252	-171.560	0.620	9.865
25	-0.956	126.012	-3.240	-31.472	-21.724	33.969	-3.915	-176.356	0.723	9.242
26	-0.876	124.144	-3.847	-35.248	-21.176	32.737	-3.653	-178.880	0.609	8.664
27	-0.881	121.628	-4.355	-38.783	-20.646	32.450	-3.360	-175.534	0.569	8.146
28	-0.738	120.460	-5.004	-42.709	-20.050	30.665	-3.227	-171.107	0.410	7.523
29	-0.776	117.928	-5.651	-46.070	-19.645	28.542	-3.022	-167.951	0.427	6.997
30	-0.764	116.436	-6.160	-49.587	-19.117	27.239	-2.825	-163.526	0.382	6.478

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-PH30F70
 71 Package - MwT-PH30F71
 73 Package - MwT-PH30F73