

RADIATION TEST REPORT

PRODUCT: OP27AJQMLR

MASK:

FILE:

DATE CODE:

GAMMA: 0,100K,24Hr.

GAMMA SOURCE: Co60

DOSE RATE: 50.88 rad/sec

FACILITIES: National Semiconductor
Santa Clara, Ca.

TESTED: January 15 ,2003

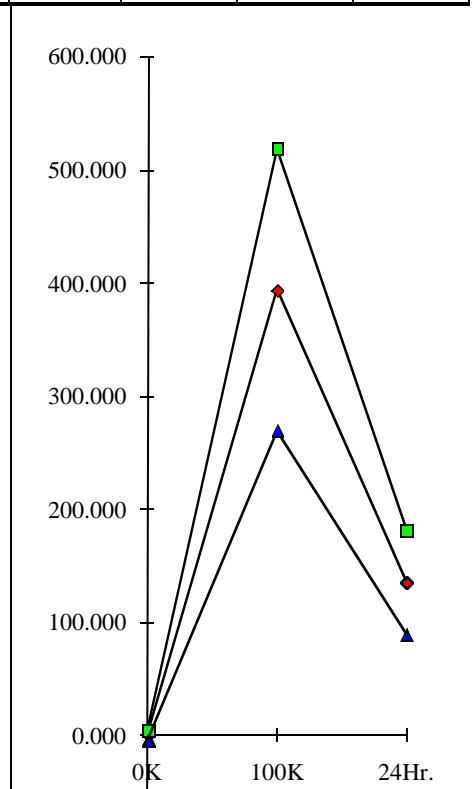
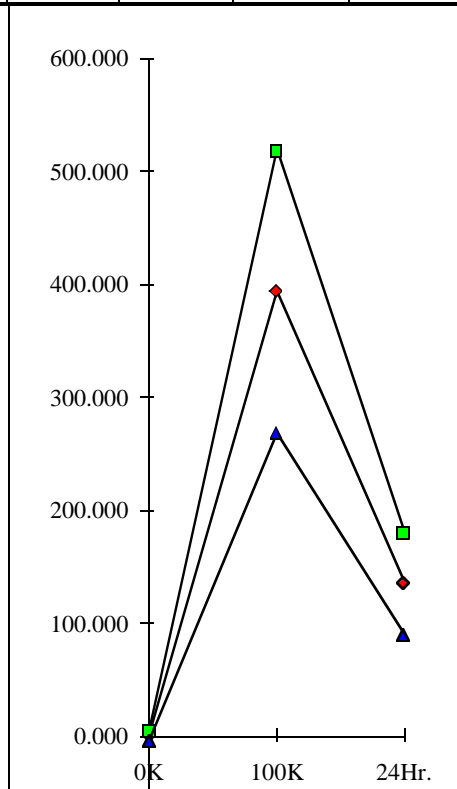
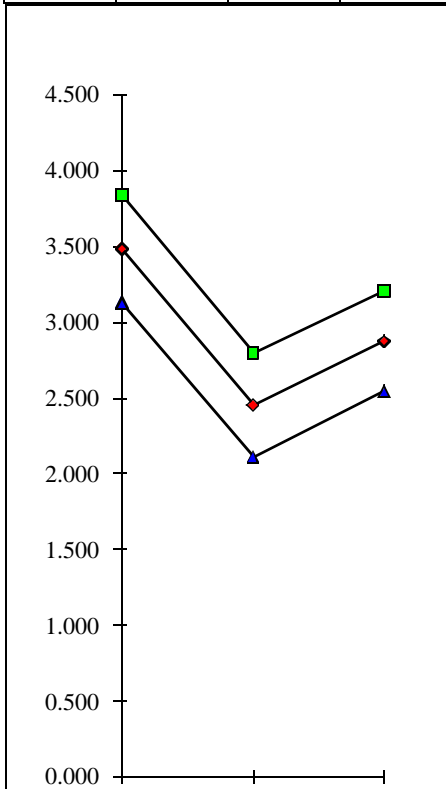
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T# 1	ISY			T# 2	+IB			T# 3	-IB		
S/N	0K	100K	24Hr.	S/N	0K	100K	24Hr.	S/N	0K	100K	24Hr.
1	3.414	3.409	3.408	1	-1.460	-1.460	-1.460	1	-0.365	-0.365	-0.365
2	3.443	2.361	2.820	2	-0.487	438.490	145.184	2	-0.730	437.888	144.454
3	3.439	2.400	2.825	3	0.730	409.618	141.533	3	1.460	410.219	141.533
4	3.457	2.366	2.818	4	-0.122	418.640	141.777	4	-0.852	420.445	140.803
5	3.418	2.365	2.808	5	2.799	409.016	147.740	5	1.947	407.814	141.290
22	3.312	2.321	2.722	22	-1.217	348.266	121.088	22	-1.095	348.867	121.210
23	3.290	2.259	2.687	23	1.217	382.551	130.824	23	1.339	383.152	132.649
24	3.323	2.404	2.763	24	-0.974	298.341	105.024	24	-1.095	303.755	105.268
25	3.279	2.321	2.709	25	-1.704	331.424	112.448	25	-0.365	335.634	114.030
39	3.684	2.632	3.065	39	1.217	410.821	137.396	39	1.339	408.415	137.517
40	3.496	2.451	2.885	40	-1.582	395.784	127.660	40	-0.487	397.588	131.554
41	3.629	2.570	3.010	41	0.608	422.851	140.316	41	0.365	422.249	140.681
42	3.727	2.717	3.124	42	1.582	381.949	125.348	42	1.582	384.957	126.565
62	3.536	2.550	2.931	62	0.730	339.243	116.829	62	0.365	333.228	115.003
63	3.581	2.585	2.959	63	1.339	348.266	125.348	63	0.487	349.469	123.279
64	3.508	2.442	2.878	64	1.095	372.927	127.173	64	3.042	375.934	129.972
65	3.463	2.402	2.841	65	1.339	394.581	133.745	65	1.460	392.175	134.110
78	3.510	2.543	2.919	78	1.582	401.799	142.507	78	1.095	396.385	138.247
79	3.574	2.572	2.954	79	0.122	428.866	150.904	79	0.000	430.069	151.999
80	3.528	2.506	2.915	80	0.608	481.797	169.158	80	0.487	481.797	171.714
98	3.522	2.490	2.899	98	-0.122	442.700	158.692	98	0.730	451.121	163.074
99	3.474	2.429	2.866	99	-2.799	405.408	130.094	99	-3.408	399.393	126.686
100	3.452	2.383	2.829	100	0.122	403.603	137.274	100	-0.122	401.799	136.909
min	3.279	2.259	2.687	min	-2.799	298.341	105.024	min	-3.408	303.755	105.268
max	3.727	2.717	3.124	max	2.799	481.797	169.158	max	3.042	481.797	171.714
stdev	0.118	0.115	0.110	stdev	1.322	41.817	14.970	stdev	1.362	41.552	15.303
average	3.484	2.458	2.874	average	0.277	393.952	134.912	average	0.343	394.198	134.934
+3S	3.837	2.803	3.203	+3S	4.241	519.403	179.823	+3S	4.428	518.854	180.844
-3S	3.131	2.113	2.545	-3S	-3.688	268.501	90.000	-3S	-3.742	269.542	89.024



0K			100K			24Hr.			-100.000			-100.000														
T# 4			IOS			nA			T# 5			VOS			uV			T# 6			AVO R1=2K VO=+/-10V			V/mV		
S/N	0K	100K	24Hr.	S/N	0K	100K	24Hr.	S/N	0K	100K	24Hr.	S/N	0K	100K	24Hr.											
1	-1.095	-1.095	-1.136	1	-16.954	-14.429	-15.150	1	3596	3436	3494															
2	0.243	0.802	0.933	2	-18.517	-30.060	-22.365	2	3695	1805	2571															
3	-0.608	-0.601	0.041	3	5.892	-17.916	-7.575	3	3460	1837	2480															
4	0.771	-3.408	1.014	4	22.245	15.992	18.758	4	3668	1959	2502															
5	0.649	0.802	6.409	5	11.303	6.974	11.423	5	3591	1797	2689															
22	-0.081	-0.802	-0.122	22	-9.379	-27.776	-19.239	22	3889	1892	2632															
23	-0.243	-1.203	-1.866	23	-2.525	-14.790	-8.417	23	3704	1942	2520															
24	0.041	-5.413	-0.365	24	-7.816	-19.239	-13.467	24	3690	2017	2524															
25	-1.258	-4.010	-1.825	25	-8.056	-30.421	-19.720	25	3813	2002	2599															
39	-0.162	2.205	-0.203	39	-7.215	-13.948	-11.303	39	3566	1965	2644															
40	-1.095	-2.406	-3.935	40	-11.663	-24.529	-19.359	40	3281	1855	2559															
41	0.284	0.200	-0.203	41	-6.493	-12.986	-12.144	41	3548	1889	2352															
42	-0.081	-3.809	-1.055	42	13.467	6.012	7.575	42	3519	2102	2403															
62	0.365	5.814	2.069	62	-9.379	-18.157	-7.695	62	3173	1878	2288															
63	0.771	-1.403	2.109	63	11.062	-10.341	-1.082	63	3522	2000	2434															
64	-2.028	-3.609	-2.799	64	-2.886	-1.924	-0.361	64	4190	1860	2554															
65	-0.162	2.406	-0.284	65	-12.625	-14.429	-11.423	65	3263	1798	2198															
78	0.284	4.611	4.057	78	1.323	-3.367	-0.240	78	3699	1929	2480															
79	0.162	-2.606	-0.974	79	8.537	1.082	1.323	79	3358	2010	3034															
80	0.162	0.000	-2.596	80	-20.682	-37.756	-29.099	80	3206	1958	2641															
98	-0.892	-7.418	-4.503	98	-15.992	-38.237	-29.219	98	3401	1869	2449															
99	0.649	6.015	3.529	99	-17.315	-32.946	-27.175	99	3683	1813	2564															
100	0.122	1.203	0.243	100	10.461	8.898	13.227	100	3202	1930	2539															
min	-2.028	-7.418	-4.503	min	-20.682	-38.237	-29.219	min	3173	1797	2198															
max	0.771	6.015	6.409	max	22.245	15.992	18.758	max	4190	2102	3034															
stdev	0.705	3.478	2.584	stdev	11.908	15.682	13.742	stdev	251	83	164															
average	-0.096	-0.574	-0.015	average	-3.012	-14.085	-8.526	average	3551	1914	2530															
+3S	2.019	9.859	7.736	+3S	32.714	32.962	32.701	+3S	4303	2162	3021															
-3S	-2.211	-11.007	-7.766	-3S	-38.737	-61.132	-49.754	-3S	2799	1666	2039															

