

RELIABILITY DATA RADHARD DEVICES

3/15/2007

• OPERATING LIFE TEST

PACKAGE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE HOURS ⁽¹⁾ AT +125°C	NUMBER OF ⁽²⁾ FAILURES
RH07	333	9349	9718	342.89	0
RH1009	1,910	9321	0508	3,835.69	0
RH101	352	9202	0330	361.64	0
RH1011	935	9206	0337	1,006.62	0
RH1013	938	9429	0548	2,188.92	1
RH1014	2,071	9334	0302	2,603.83	2
RH1021	2,540	9144	0620	5,056.33	0
RH1056	397	9203	0226	415.22	0
RH1078	397	9613	0327	762.99	2
RH108	754	9151	0451	888.84	0
RH1083	81	9601	9714	81.19	0
RH1084	104	9714	9721	106.49	0
RH1085	235	9723	0501	257.83	1
RH1086	844	9621	0539	863.68	1
RH117	1,756	9210	0527	2,250.52	0
RH118	640	9119	9806	690.42	0
RH119	1,326	9150	0307	1,395.07	1
RH129	80	0338	0338	247.07	0
RH137	1,639	9150	0332	2,006.21	0
RH1498	232	0318	0318	342.49	0
RH27	529	9208	0241	804.82	0
RH270	80	9318	9318	80.19	0
RH37	320	9316	0417	326.78	0
RH1814	80	0414	0414	80.32	0
	18,573			26,996.07	8

**RELIABILITY DATA
RADHARD DEVICES
3/15/2007**

- **OPERATING LIFE TEST**

- **FAILURE RATE = 0.7 FITS at +55°C,
60% Confidence Level
Assumes an Activation
Energy = 1.0 eV**
- **MTBF = 163,032 Years**

RELIABILITY DATA RADHARD DEVICES

3/15/2007

• SUBGROUP B-6

PACKAGE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	CYCLES -65°C to +150°C	NUMBER OF FAILURES
H-08	1,131	9119	0631	113,100	0
H-39	502	9150	0626	48,755	0
H-46	471	9321	0338	44,210	0
H-52	84	9744	9840	8,400	0
J-08	242	9349	0632	22,755	0
J-14/J-16	180	9119	0242	18,000	0
K-03	363	9210	0638	34,855	0
W-10	818	9152	0605	80,355	0
W-14	781	9334	0627	78,100	0
	4,572			448,530	0

Note: J = CERDIP, H = HERMETIC, K = TO-3, W = FLATPACK

**SUBGROUP B6 (CLASS S)
MIL-STD-883**

ELECTRICAL TEST +25°C / +125°C / -55°C

100 TEMP CYCLES -65°C TO +150°C

CONSTANT ACCELERATION 30Kg's Y1 Axis

FINE & GROSS LEAK

ELECTRICAL TEST +25°C - COMPUTE DELTA'S

**ELECTRICAL TEST +125°C / -55°C
COMPUTE TEMPCO'S**