

RELIABILITY MONITOR

PRODUCT	MONITOR DATE	DATE CODE	ASSEMBLY FACILITY	ASSEMBLY LOT NO	PROCESS TYPE	PACKAGE TYPE
DS2401	Dec-96	9642 B2	CARSEM	DM630289AN	1.2μ OX/NI	03 TO-92

STRESS/JOB NO.

READPOINT (Sample Size/No. of Fails)

Infant / High voltage Life 125°C, 7.0 V. P-18753, P-18775	<u>48 Hr</u>	<u>336 Hr</u>	<u>1KHr</u>	<u>*Failure Rate</u>
	231/1	77/1	76/0	102 Fits
	F1	F2		

*Chi Squared Method, 60% C. L., 55°C & 5.5V; Temperature Derating: Ea = 0.7 ev; Voltage Derating B = 1.0

Temp Cycle -55°C to +125°C P-18776	<u>300 ~</u>	<u>1K ~</u>	<u>Cum %</u>
	39/0	39/0	0.0%

Biased Moisture (HAST) 120°C/85% RH, 5.5 V. P-18777	<u>100 Hr</u>	<u>Cum %</u>
	77/0	0.0%

Autoclave 121°C/100% RH, 2 Atmos P-18778	<u>96 Hr</u>	<u>Cum %</u>
	37/0	0.0%

Failure Mode

F1: Functional
F2: Functional

Failure Analysis

In process, 970043
In process