

RELIABILITY MONITOR

PRODUCT	MONITOR DATE	DATE CODE	ASSEMBLY FACILITY	ASSEMBLY LOT NO	PROCESS TYPE	PACKAGE TYPE
DS2502	Mar-97	9704 A6	CARSEM	DM632418ABB	1.2μ OX/NI EPROM	08 SOIC 150

STRESS/JOB NO.

**READPOINT
(Sample Size/No. of Fails)**

Preconditioning (P/C):
HTC Vapor Phase
P-19295

<u>Electrical</u>	<u>Cum %</u>
235/0	0.0%

Infant / High Voltage Life
125°C, 7.0 V.
P-19418, P-19449

<u>0 Hr</u>	<u>48 Hr</u>	<u>336 Hr</u>	<u>1KHr</u>	<u>*Failure Rate</u>
235/1	229/0	77/0	77/0	30 Fits

Write Data
F1

*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-19450

<u>300 ~</u>	<u>1K ~</u>	<u>Cum %</u>
38/0	38/0	0.0%

Biased Moisture
85°C/85% RH, 5.5 V.
P-19451

<u>274 Hr</u>	<u>959 Hr</u>	<u>Cum %</u>
76/0	76/0	0.0%

Storage Life
150°C, No bias
P-19452

<u>336 Hr</u>	<u>1KHr</u>	<u>Cum %</u>
37/0	37/0	0.0%

Failure Mode

F1: DQ Resistance

Failure Analysis

In process