

# RELIABILITY MONITOR

PRODUCT	MONITOR DATE	DATE CODE	ASSEMBLY FACILITY	ASSEMBLY LOT NO	PROCESS TYPE	PACKAGE TYPE
DS1259	Jun-96	9552 C2	CARSEM	DM543696ACB1	2.0μ NITRIDE	16 PDIP

## STRESS/JOB NO.

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

Infant / High Voltage Life 125°C, 7.0 V. P-17662, P-17712	<u>48 Hr</u> 231/0	<u>336 Hr</u> 77/0	<u>1KHr</u> 77/0	<u>*Failure Rate</u> 30 Fits
---	-----------------------	-----------------------	---------------------	---------------------------------

\*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-17713	<u>300 ~</u> 39/0	<u>1K ~</u> 39/0	<u>Cum %</u> 0.0%
--	----------------------	---------------------	----------------------

Biased Moisture 85°C/85% RH, 5.5 V. P-17714	<u>274 Hr</u> 77/0	<u>959 Hr</u> 77/0	<u>Cum %</u> 0.0%
---	-----------------------	-----------------------	----------------------

Autoclave 121°C/100% RH, 2 Atmos P-17715		<u>96 Hr</u> 38/0	<u>Cum %</u> 0.0%
--	--	----------------------	----------------------

## Failure Mode

## Failure Analysis