

RELIABILITY MONITOR

PRODUCT	MONITOR DATE	DATE CODE	ASSEMBLY FACILITY	ASSEMBLY LOT NO	PROCESS TYPE	PACKAGE TYPE
DS1000M-25	May-97	9710 E3	OMEDATA	DD647404AEB	1.2μ NITRIDE	08 PDIP

STRESS/JOB NO.

READPOINT (Sample Size/No. of Fails)

Infant / High Voltage Life 125°C, 7.0 V. P-19649, P-19698	<table border="0"> <tr> <td style="padding-right: 10px;"><u>48 Hr</u></td> <td style="padding-right: 10px;"><u>336 Hr</u></td> <td style="padding-right: 10px;"><u>1K Hr</u></td> <td style="padding-right: 10px;"><u>*Failure Rate</u></td> </tr> <tr> <td>231/0</td> <td>77/0</td> <td></td> <td></td> </tr> </table>	<u>48 Hr</u>	<u>336 Hr</u>	<u>1K Hr</u>	<u>*Failure Rate</u>	231/0	77/0		
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231/0	77/0								

*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-19699	<table border="0"> <tr> <td style="padding-right: 10px;"><u>300 ~</u></td> <td style="padding-right: 10px;"><u>1K ~</u></td> <td style="padding-right: 10px;"><u>Cum %</u></td> </tr> <tr> <td>39/0</td> <td>39/0</td> <td>0.0%</td> </tr> </table>	<u>300 ~</u>	<u>1K ~</u>	<u>Cum %</u>	39/0	39/0	0.0%
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39/0	39/0	0.0%					

Biased Moisture 85°C/85% RH, 5.5 V. P-19700	<table border="0"> <tr> <td style="padding-right: 10px;"><u>274 Hr</u></td> <td style="padding-right: 10px;"><u>959 Hr</u></td> <td style="padding-right: 10px;"><u>Cum %</u></td> </tr> <tr> <td>77/0</td> <td></td> <td></td> </tr> </table>	<u>274 Hr</u>	<u>959 Hr</u>	<u>Cum %</u>	77/0		
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Autoclave 121°C/100% RH, 2 Atmos P-19701	<table border="0"> <tr> <td style="padding-right: 10px;"><u>96 Hr</u></td> <td style="padding-right: 10px;"><u>Cum %</u></td> </tr> <tr> <td>38/0</td> <td>0.0%</td> </tr> </table>	<u>96 Hr</u>	<u>Cum %</u>	38/0	0.0%
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Failure Mode

Failure Analysis