

# RELIABILITY MONITOR

| PRODUCT  | MONITOR DATE | DATE CODE | ASSEMBLY FACILITY | ASSEMBLY LOT NO | PROCESS TYPE | PACKAGE TYPE |
|----------|--------------|-----------|-------------------|-----------------|--------------|--------------|
| DS80C320 | Oct-97       | 9736 B5   | ANAM, PI.         | DK723356AAA     | 0.8μ OX/NI   | 40 PDIP      |

## STRESS/JOB NO.

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

| Infant / High Voltage Life<br>125°C, 7.0 V.<br>P-20685, P-20694 | <u>48 Hr</u><br>231/2<br>F1 | <u>336 Hr</u><br>77/1<br>F2 | <u>1KHr</u><br>76/0 | <u>*Failure Rate</u><br>138 Fits |
|---|-----------------------------|-----------------------------|---------------------|----------------------------------|
|---|-----------------------------|-----------------------------|---------------------|----------------------------------|

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

| Temp Cycle<br>-55°C to +125°C<br>P-20695 | <u>300 ~</u><br>40/0 | <u>1K ~</u><br>40/0 | <u>Cum %</u><br>0.0% |
|--|----------------------|---------------------|----------------------|
|--|----------------------|---------------------|----------------------|

| Biased Moisture<br>85°C/85% RH, 5.5 V.<br>P-20696 | <u>274 Hr</u><br>75/0 | <u>959 Hr</u><br>75/0 | <u>Cum %</u><br>0.0% |
|---|-----------------------|-----------------------|----------------------|
|---|-----------------------|-----------------------|----------------------|

| Autoclave<br>121°C/100% RH, 2 Atmos<br>P-20697 | <u>96 Hr</u><br>45/0 | <u>Cum %</u><br>0.0% |
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### Failure Mode

F1: 2-Leakage  
F2: Leakage

### Failure Analysis

In process, 970266  
In process