

RELIABILITY MONITOR

PRODUCT	MONITOR DATE	DATE CODE	ASSEMBLY FACILITY	ASSEMBLY LOT NO	PROCESS TYPE	PACKAGE TYPE
DS1267	Nov-97	9737 A1	ANAM, PI.	DK727730AAA	1.2μ OX/NI	20 TSSOP

STRESS/JOB NO.

READPOINT

(Sample Size/No. of Fails)

Preconditioning (P/C):	0 Hr	Electrical	Cum %
Bake, 125°C, 24 Hr	250/0	238/0	0.0%
Moisture Soak, 85°C/85% RH, 168 Hr			
Vapor Phase Reflow, 3 Passes, P-20871			

Sonoscan
P-20990

Post Vapor Phase

Infant / High Voltage Life	48 Hr	336 Hr	1K Hr	*Failure Rate
125°C, -4.0 & +6.0 V	234/0	77/0		
P-20991, P-21102				

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

Temp Cycle	300 ~	1K ~	Cum %
-55°C to +125°C	40/0		
P-21103			

Biased Moisture	274 Hr	959 Hr	Cum %
85°C/85% RH, 5.5 V.			
P-21104			

Autoclave	168 Hr	Cum %
121°C/100% RH, 2 Atmos		
P-21105		

Failure Mode

Failure Analysis