



**M**  
**XPC7410RX RELIABILITY DATA SUMMARY**

**XPC7410 - Nitro - Information**

Fab: MOS13, Austin, TX  
 Mask: K65D  
 Process: HiP6L  
 Package: 25 x 25 mm CBGA, 360 Pin  
 Assy: BAT-1, Austin, Tx

**XPC7410 - Nitro - TECHNOLOGY:**  
**MOS13 on the 0.15µm (Nominal) HiP6L process**

**DYNAMIC LIFETEST (2.35V, 90°C)**

168 HRS	504 HRS	1008 HRS	2016 HRS
1 / 837	1 / 481	0 / 467	0 / 320

**ESD (HBM)**

1KV	2KV
0 / 2	0 / 15

**ESD (MM)**

100V	200V
0 / 2	0 / 12

**ESD (CDM Unsocketed)**

500V	1KV
0 / 9	/

**ESD (CDM Socketed)**

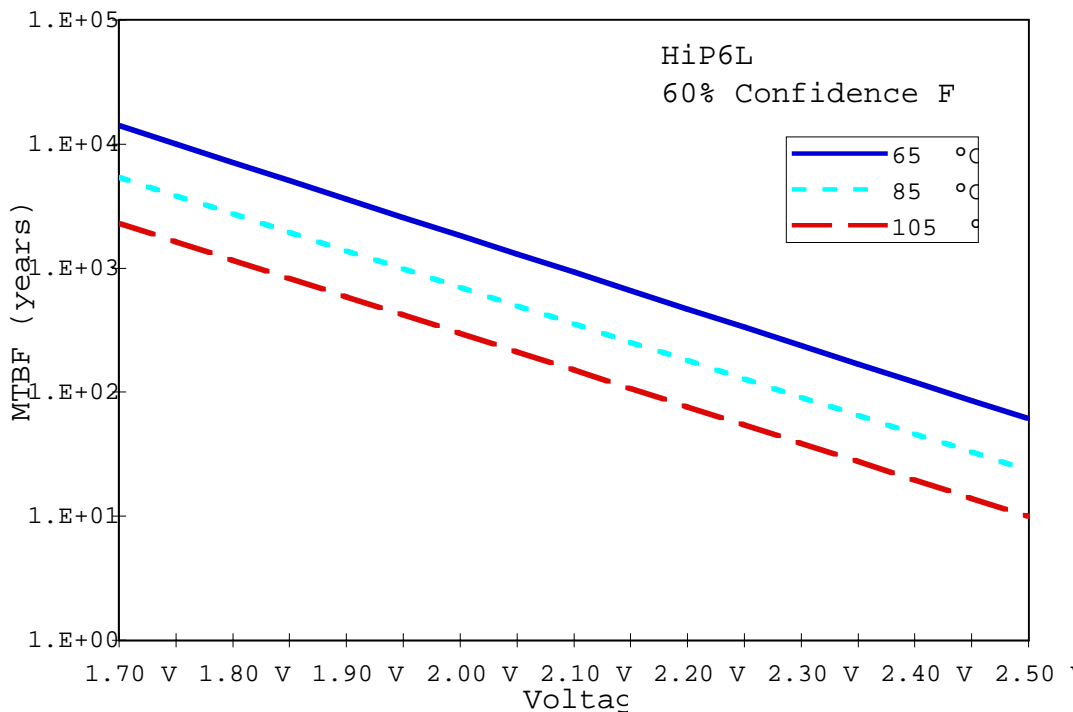
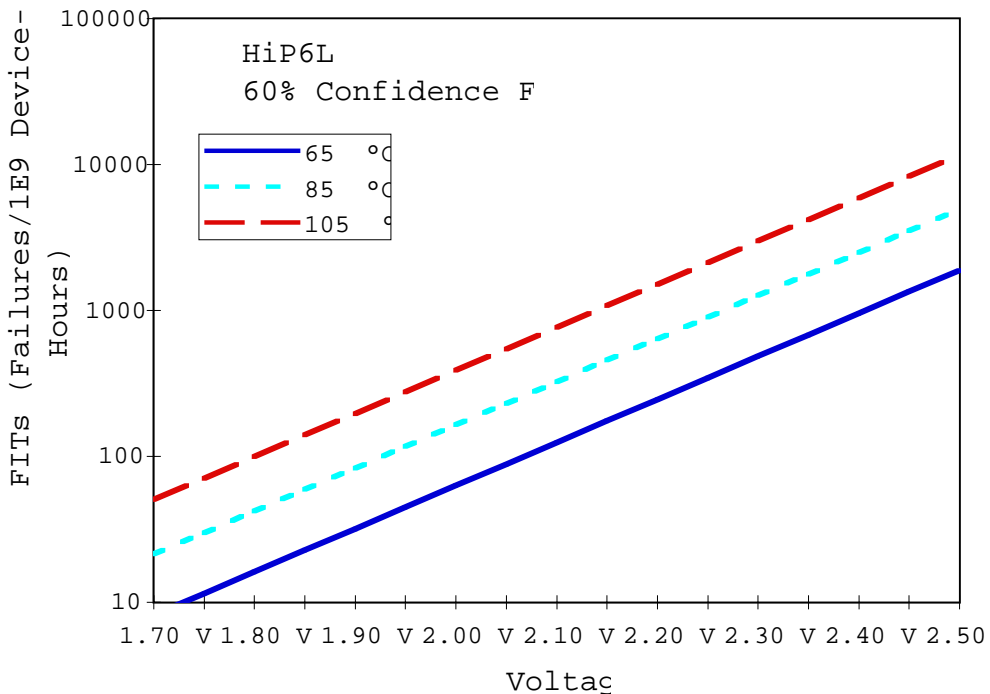
500V	1KV
0 / 11	/

**LATCHUP**

150 mA	200 mA
/	0 / 9

# M XPC7410RX RELIABILITY DATA SUMMARY

## TECHNOLOGY FAILURE RATES - HiP6L





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**XPC7410RX RELIABILITY DATA SUMMARY**

**PACKAGE: 360 Pin 25 x 25mm CBGA - BAT1**

**MOISTURE CZ**

PRECOND MSL3	PRECOND MSL1
	0 / 1015

**TEMPERATURE CYCLING (-55°C/+125°C)**

PRECOND MSL1	100 CYC	500 CYC	1000 CYC
0 / 669	0 / 662	0 / 630	0 / 231

**THERMAL SHOCK (-55°C/+125°C)**

PRECOND MSL1	100 CYC	500 CYC	1000 CYC
0 / 231	0 / 231	0 / 231	/

**AUTOCLAVE (+121°C, 100% RH, 2 atm)**

PRECOND MSL1	48 HRS	144 HRS*	240 HRS*
0 / 227	0 / 227	2 / 140	1 / 138

\*Extended readpoints for information

**THB (+85°C/85% RH/1.8V)**

PRECOND MSL1	168 HRS	504 HRS	1008 HRS
0 / 598	1 / 482	2 / 229	/

168 HRS Fail: Lkg failure in FA

504 HRS Fail (2): Scan Failure. FA indeterminate

**BAKE (175°C)**

168 HRS	504 HRS
0 / 222	0 / 222