

MICROTECHNOLOGY MP108 Reliability Report

Date Prepared:	7/25/2005	Ву:	G. Sc	cofield	Model:	MP108
Date Life Test Complete:		7/17/2005		Lot:	3B744044	5 20, 4B4420511 25,
					4B158050	04 15, 3B9780450 20

MTBF and reliability determination when no failures are observed in a test Reliability and Life Testing Handbook Volume 1, Dimitri Kececioglu, PTR Prentice Hall, 1993 pp194 -196

MTBF_{L1} = $2T_a/X^2_{\alpha;df}$ = 108311.1 hours (eq 7.29 pg 195) Lower Confidence Limit for MTBF Thus MTBF at 80% confidence is (108311.1 hr; ∞)(12.36 yr; ∞) and failure rate <= 9.232664 failures per million hours.

