

Meisongbei FIT / MTBF Values

Our steady state FIT, MTBF values are calculated per Telcordia SR-332 Issue 4 (2016).

These calculations are based on the following conditions:

Environment Ground, Fixed, Controlled sales@meisongbei.com

Device Method I-D

Quality Level II

Electrical stress 100%

Operating Temperature 85°C

Activation energy 0.15 eV

MTBF = 10^9 (hours) / FIT

	Telcordia SR-332 Issue 4*			
	90% UCL		60% UCL	
	FITs (ppb hours)	MTBF (hours)	FITs (ppb hours)	MTBF (hours)
RF Inductors / Transformers				
Chip inductors, air core inductors, RFID coils	0.27	3.70x10 ⁹	0.23	4.348 x10 ⁹
Tunable inductors	4.97	2.01 x10 ⁸	3.59	2.786 x10 ⁸
Broadband conical inductors	0.67	1.49 x10 ⁹	0.51	1.961 x10 ⁹
Wideband RF transformers / baluns / chip transformers	13.92	7.18 x10 ⁷	9.71	1.030 x10 ⁸
Power Inductors / Transformers				
SMT and THT power inductors	0.67	1.49 x10 ⁹	0.51	1.961 x10 ⁹
Coupled power inductors	15.43	6.48 x10 ⁷	10.55	9.479 x10 ⁷
Transformers / Current sensors	15.43	6.48 x10 ⁷	10.55	9.479 x10 ⁷
EMI Filters				
CM chokes	15.43	6.48 x10 ⁷	10.55	9.479 x10 ⁷

Note: All calculations are based on the following conditions: Ground, Fixed, Controlled Environment, I-D Device Method, Quality Level II, 100% electrical stress, 85°C operating temperature, and 0.15 eV activation energy.