Coaxial Protector Reliability Analysis – FPL Multistage Arrestors

NOTE: This is an addendum to the original MTBF document, found here: http://nextek.com/education-center/coaxial-protector-reliability-analysis/

the MTBF of the GPS fine protectors was calculated using MIL-HDBK-217, Notice 2. Parts count method (Appendix A) was used for parts except for suppression diodes/components, which was estimated with the parts stress analysis method.

These figures apply to NexTek Satellite Navigation Protectors covering 1.15 to 1.61GHz at voltages up to and including 48V, with Type N or TNC connectors.

P/Ns Include, but are not limited to:

- FPLNFNFBP05
- FPLNFNFBP12
- FPLTFTFBP05
- FPLTFTFBP12

FPLNFNFBXXX and FPLTFTFBXXX MTBF Figures

Environment	G_F	G_M	N_S	A_{IF}
$Temp_{AMB}$ (°C)	40	45	40	55
MTBF (hrs)	2,409,685	1,171,631	1,858,432	757,795