


Mean Time To Failure

MTTF & FIT Rates

Mean Time To Failure (MTTF) is a reliability term used to provide the mean time (in hours or years) before the component failure. This is the most common inquiry about a product's life span, and it is important in the decision-making process of the end user. Failure In Time (FIT) is another way of reporting MTTF.

Several prediction methods over time have been developed to determine reliability, but the most often used standard when compiling reliability data for transceivers is Bellcore /Telcordia TR332. The MTTF data shown below for some of the most popular ProLabs transceiver products are calculated using the Bellcore TR332 part count method.



Summary	Hours	Years
Minimum	832,708	95
Average	2,094,655	239
Maximum	5,594,406	639

	Hours	Years
SFP-10G-SR	4,971,909	568
SFP-10G-LR	3,310,381	378
SFP-10G-ER	2,190,868	250
SFP-10G-ZR	2,072,367	237
CWDM-SFP10G-LRXXXX	3,310,381	378
CWDM-SFP10G-ERXXXX	2,190,868	250
CWDM-SFP10G-ZRXXXX	2,072,367	237
DWDM-SFP10G-ER- XX.XX	2,190,868	250
DWDM-SFP10G-ZR- XX.XX	2,072,367	237
SFP-10G-BX-D-20KM	2,862,294	237
SFP-10G-BX-U-20KM	2,862,294	237
SFP-10G-BX-D-40KM	2,481,204	283
SFP-10G-BX-U-40KM	2,481,204	283
XFP-10G-SR	2,868,535	327
XFP-10G-LR	2,171,647	248
XFP-10G-ER	1,338,652	153
XFP-10G-ZR	1,172,086	134
X2-10G-CX4	2,801,120	320
X2-10G-SR	911,743	104
X2-10G-LR	954,927	109
X2-10G-ER	936,417	107
X2-10G-ZR	832,708	95
SFP-FE/GE-100LX	4,528,027	516
SFP-FE/GE-100FX	3,839,358	438
CWDM-X2-ER-XXXX	936,417	107
CWDM-X2-ZR-XXXX	832,708	95
DWDM-X2-ER-XX.XX	936,417	107
DWDM-X2-ZR-XX.XX	832,708	95
XENPAK-10G-SR	911,743	104
XENPAK-10G-LR	954,927	109
XENPAK-10G-ER	936,417	107
XENPAK-10G-ZR	832,708	95
CWDM-XENPAK-ER- XXXX	936,417	107
CWDM-XENPAK-ZR- XXXX	832,708	95
DWDM-XENPAK-ER- XX.XX	936,417	107
DWDM-XENPAK-ZR- XX.XX	832,708	95
SFP-1G-SX	5,477,951	625
SFP-1G-LX	5,594,406	639
SFP-1G-EX	4,571,429	522
SFP-1G-ZX	3,720,930	425
SFP-1G-EZX	3,191,421	364
SFP-1G-ZX-CWDM	3,720,930	425
SFP-1G-EZX-CWDM	3,191,421	364
CWDM-XFP-ER-XXXX	1,338,652	153
CWDM-XFP-ZR-XXXX	1,172,086	134
DWDM-XFP-ER-XX.XX	1,338,652	153
DWDM-XFP-ZR-XX.XX	1,172,086	134

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