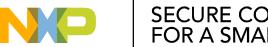
## MTBF & FIT DATA FOR THE MMPF001 SERIES

TOM KAZOR
NPI PRODUCT & QUALITY ENGINEER
SMARTMOS10W PREDICTIVE RELIABILITY
MMPF0100SERIES
6 DEC 2016





## MMPF0100 Series Predictive Reliability

Based on SMART10W Operating Life Test Data (HTOL)

Test temperature = 110° C; Use temperatures = -40°C, +30°C, +85°C

Use Temperature	# of lots	# of Devices	Device hours @ 110°C	# of Reject	Total Equivalent hours @ Use Temp	Fit Rate @ 60% CL	MTBF @ 60% CL
-40°C	7	3520	3,548,160	0	3E12	3.1E-4	3.2E12
+30°C					9.5E8	.96	1.0E9
+85°C					1.4E7	59	1.7E7





SECURE CONNECTIONS FOR A SMARTER WORLD