



M T B F

(MIL-HDBK217F NOTICE 2)

Model	UMPS60F48-E
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No.	P a r t s		Q' ty of Device	Failure rate [10 ⁻⁶ /H]	R e f e r e n c e
1	I C	M o n o l i t h i c	2	1. 9260	
2		H y b r i d	0	0. 0000	
3	T r a n s i s t o r s		3	1. 4470	
4	D i o d e s		9	0. 7410	
5	LED•Optocouplers		2	0. 6150	
6	R e s i s t o r s		40	0. 2460	
7	C a p a c i t o r s		25	2. 4720	
8	Transformer•Choke Coil		6	0. 3370	
9	C o n n e c t o r s		229	0. 0170	
1 0	O t h e r s		3	0. 0230	
Total Failure Rate [10 ⁻⁶ /H]				7. 8240	

M T B F	[H]	127,800
Ambient Temperature	[°C]	40.0
Load Factor	[%]	100



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(E I A J R C R - 9 1 0 2)

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No.	P a r t s		Q' ty of Device	Failure rate [10 ⁻⁶ /H]	R e f e r e n c e
1	I C	M o n o l i t h i c	2	0.0980	
2		H y b r i d	0	0.0000	
3	T r a n s i s t o r s		3	0.1012	
4	D i o d e s		9	0.2272	
5	LED•Optocouplers		2	0.1400	
6	R e s i s t o r s		40	0.3278	
7	C a p a c i t o r s		25	0.2772	
8	Transformer•Choke Coil		6	0.1173	
9	C o n n e c t o r s		229	0.0775	
1 0	O t h e r s		3	0.1500	
Total Failure Rate [10 ⁻⁶ /H]				1.5162	

M T B F	[H]	660,000
Ambient Temperature	[°C]	—
Load Factor	[%]	—