



M T B F

(MIL-HDBK217F NOTICE 2)

Model	UMCS30F-48-E
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No.	P a r t s		Q' ty of Device	Failure rate [10 ⁻⁶ /H]	Reference
1	I C	M o n o l i t h i c	2	2.6080	
2		H y b r i d	0	0.0000	
3	T r a n s i s t o r s		2	1.3590	
4	D i o d e s		9	0.6420	
5	LED•Optocouplers		2	0.7980	
6	R e s i s t o r s		38	0.1630	
7	C a p a c i t o r s		20	2.2740	
8	Transformer•Choke Coil		5	0.3430	
9	C o n n e c t o r s		226	0.0210	
1 0	O t h e r s		6	0.0350	
Total Failure Rate [10 ⁻⁶ /H]				8.2430	

M T B F	[H]	121,300
Ambient Temperature	[°C]	45.0
Load Factor	[%]	100



M T B F

(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]	Re 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		2	0.1001	
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		38	0.3274	
7	C a p a c i t o r s		20	0.2167	
8	Transformer•Choke Coil		5	0.1150	
9	C o n n e c t o r s		226	0.0979	
1 0	O t h e r s		6	0.0810	
Total Failure Rate [10 ⁻⁶ /H]				1.4033	

M T B F	[H]	713,000
Ambient Temperature	[°C]	—
Load Factor	[%]	—