



# M T B F

(MIL-HDBK217F NOTICE 2)

Model	UMCS30F-12-E
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No.	P a r t s		Q' ty of Device	Failure rate [10 <sup>-6</sup> /H]	Reference
1	I C	Monolithic	2	1.9260	
2		Hybrid	0	0.0000	
3	Transistors		2	1.0800	
4	Diodes		7	0.1810	
5	LED•Optocouplers		2	0.7100	
6	Resistors		40	0.1520	
7	Capacitors		21	2.0740	
8	Transformer•Choke Coil		5	0.4420	
9	Connectors		226	0.0210	
10	Others		6	0.0350	
Total Failure Rate [10 <sup>-6</sup> /H]				6.6210	

M T B F	[H]	151,000
Ambient Temperature	[°C]	40.0
Load Factor	[%]	100



# M T B F

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

Model	UMCS30F-12-E
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No.	P a r t s		Q'ty of Device	Failure rate [10 <sup>-6</sup> /H]	Reference
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		7	0.1792	
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		21	0.2241	
8	Transformer•Choke Coil		5	0.1150	
9	C o n n e c t o r s		226	0.0979	
10	O t h e r s		6	0.0810	
Total Failure Rate [10 <sup>-6</sup> /H]				1.3631	

M T B F	[H]	734,000
Ambient Temperature	[°C]	—
Load Factor	[%]	—