



# M T B F

(MIL-HDBK217F NOTICE 2)

Model	UMA30F-12
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No.	P a r t s		Q' ty of Device	Failure rate [10 <sup>-6</sup> /H]	Re f e r e n c e
1	I C	M o n o l i t h i c	2	3. 5060	
2		H y b r i d	0	0. 0000	
3	T r a n s i s t o r s		2	1. 5060	
4	D i o d e s		7	0. 3470	
5	LED•Optocouplers		2	0. 8950	
6	R e s i s t o r s		40	0. 1520	
7	C a p a c i t o r s		21	2. 8020	
8	Transformer•Choke Coil		5	0. 4850	
9	C o n n e c t o r s		217	0. 0110	
1 0	O t h e r s		5	0. 0370	
Total Failure Rate [10 <sup>-6</sup> /H]				9. 7410	

M T B F	[H]	102,700
Ambient Temperature	[°C]	50.0
Load Factor	[%]	100



# M T B F

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

Model	UMA30F-12
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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		217	0.0563	
1 0	O t h e r s		5	0.0780	
Total Failure Rate [10 <sup>-6</sup> /H]				1.3185	

M T B F	[H]	758,000
Ambient Temperature	[°C]	—
Load Factor	[%]	—