



M T B F

(MIL-HDBK217F NOTICE 2)

Model	UMA60F-12
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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	3.5060	
2		H y b r i d	0	0.0000	
3	T r a n s i s t o r s		3	1.6340	
4	D i o d e s		7	0.2490	
5	LED•Optocouplers		2	0.7800	
6	R e s i s t o r s		42	0.2380	
7	C a p a c i t o r s		25	3.3330	
8	Transformer•Choke Coil		6	0.3920	
9	C o n n e c t o r s		231	0.0110	
1 0	O t h e r s		5	0.0400	
Total Failure Rate [10 ⁻⁶ /H]				10.1830	

M T B F	[H]	98,200
Ambient Temperature	[°C]	40.0
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		3	0.1012	
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		42	0.3282	
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		231	0.0598	
1 0	O t h e r s		5	0.1850	
Total Failure Rate [10 ⁻⁶ /H]				1.4859	

M T B F	[H]	673,000
Ambient Temperature	[°C]	—
Load Factor	[%]	—