



# M T B F

(MIL-HDBK217F NOTICE 2)

Model	UMA120F-48-Y
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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	3	4. 2900	
2		H y b r i d	0	0. 0000	
3	T r a n s i s t o r s		8	7. 6520	
4	D i o d e s		19	0. 7580	
5	LED•Optocouplers		2	0. 5830	
6	R e s i s t o r s		80	0. 3090	
7	C a p a c i t o r s		43	3. 0780	
8	Transformer•Choke Coil		9	0. 4630	
9	C o n n e c t o r s		224	0. 0050	
1 0	O t h e r s		5	0. 0350	
Total Failure Rate [10 <sup>-6</sup> /H]				17. 1730	

M T B F	[H]	58,200
Ambient Temperature	[°C]	40.0
Load Factor	[%]	100



# M T B F

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

Model	UMA120F-48-Y
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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	3	0.1220	
2		H y b r i d	0	0.0000	
3	T r a n s i s t o r s		8	0.4983	
4	D i o d e s		19	0.3230	
5	LED•Optocouplers		2	0.1400	
6	R e s i s t o r s		80	0.4356	
7	C a p a c i t o r s		43	0.4339	
8	Transformer•Choke Coil		9	0.1242	
9	C o n n e c t o r s		224	0.0932	
1 0	O t h e r s		5	0.1850	
Total Failure Rate [10 <sup>-6</sup> /H]				2.3552	

M T B F	[H]	425,000
Ambient Temperature	[°C]	—
Load Factor	[%]	—