



# M T B F

(MIL-HDBK217F NOTICE 2)

Model	UMA120F-12-Y
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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	4	4. 8230	
2		H y b r i d	0	0. 0000	
3	T r a n s i s t o r s		10	12. 7910	
4	D i o d e s		15	0. 5770	
5	LED•Optocouplers		2	0. 5720	
6	R e s i s t o r s		90	0. 3440	
7	C a p a c i t o r s		45	3. 7390	
8	Transformer•Choke Coil		9	0. 4770	
9	C o n n e c t o r s		241	0. 0050	
1 0	O t h e r s		5	0. 0360	
Total Failure Rate [10 <sup>-6</sup> /H]				23. 3640	

M T B F	[H]	42,800
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-12-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	4	0.1460	
2		H y b r i d	0	0.0000	
3	T r a n s i s t o r s		10	0.6963	
4	D i o d e s		15	0.2310	
5	LED•Optocouplers		2	0.1400	
6	R e s i s t o r s		90	0.4376	
7	C a p a c i t o r s		45	0.4487	
8	Transformer•Choke Coil		9	0.1242	
9	C o n n e c t o r s		241	0.1021	
1 0	O t h e r s		5	0.1850	
Total Failure Rate [10 <sup>-6</sup> /H]				2.5109	

M T B F	[H]	398,000
Ambient Temperature	[°C]	—
Load Factor	[%]	—