



M T B F

(MIL-HDBK217F NOTICE 2)

Model	UMA120F-24-Y
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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	4	14.2770	
2		H y b r i d	0	0.0000	
3	T r a n s i s t o r s		10	15.4650	
4	D i o d e s		16	1.0230	
5	LED•Optocouplers		2	0.7780	
6	R e s i s t o r s		89	0.3600	
7	C a p a c i t o r s		45	6.0050	
8	Transformer•Choke Coil		9	0.5720	
9	C o n n e c t o r s		241	0.0050	
1 0	O t h e r s		5	0.0390	
Total Failure Rate [10 ⁻⁶ /H]				38.5240	

M T B F	[H]	26,000
Ambient Temperature	[°C]	50.0
Load Factor	[%]	100



M T B F

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

Model	UMA120F-24-Y
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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	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		16	0.2550	
5	LED•Optocouplers		2	0.1400	
6	R e s i s t o r s		89	0.4374	
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 ⁻⁶ /H]				2.5347	

M T B F	[H]	395,000
Ambient Temperature	[°C]	—
Load Factor	[%]	—