



M T B F

(M I L - H D B K 2 1 7 F N O T I C E 2)

Model	UMPS30F12-E
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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	1.4120	
2		H y b r i d	0	0.0000	
3	T r a n s i s t o r s		2	0.9990	
4	D i o d e s		7	0.1620	
5	LED•Optocouplers		2	0.6300	
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	1.7580	
8	Transformer•Choke Coil		5	0.4170	
9	C o n n e c t o r s		215	0.0160	
10	O t h e r s		3	0.0200	
Total Failure Rate [10 ⁻⁶ /H]				5.5660	

M T B F	[H]	179,700
Ambient Temperature	[°C]	45.0
Load Factor	[%]	100



M T B F

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

Model	UMPS30F12-E
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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	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		215	0.0739	
1 0	O t h e r s		3	0.0430	
Total Failure Rate [10 ⁻⁶ /H]				1.3011	

M T B F	[H]	769,000
Ambient Temperature	[°C]	—
Load Factor	[%]	—