



# M T B F

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

Model	UMPS30F48-E
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No.	P a r t s		Q' ty of Device	Failure rate [10 <sup>-6</sup> /H]	R e f e r e n c e
1	I C	M o n o l i t h i c	2	1.9260	
2		H y b r i d	0	0.0000	
3	T r a n s i s t o r s		2	1.2650	
4	D i o d e s		9	0.5730	
5	LED•Optocouplers		2	0.7100	
6	R e s i s t o r s		38	0.1630	
7	C a p a c i t o r s		20	1.9320	
8	Transformer•Choke Coil		5	0.3250	
9	C o n n e c t o r s		215	0.0160	
1 0	O t h e r s		3	0.0200	
Total Failure Rate [10 <sup>-6</sup> /H]				6.9300	

M T B F	[H]	144,300
Ambient Temperature	[°C]	45.0
Load Factor	[%]	100



# M T B F

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

Model	UMPS30F48-E
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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	Monolithic	2	0.0980	
2		Hybrid	0	0.0000	
3	Transistors		2	0.1001	
4	Diodes		9	0.2272	
5	LED•Optocouplers		2	0.1400	
6	Resistors		38	0.3274	
7	Capacitors		20	0.2167	
8	Transformer•Choke Coil		5	0.1150	
9	Connectors		215	0.0739	
10	Others		3	0.0430	
Total Failure Rate [10 <sup>-6</sup> /H]				1.3413	

M T B F	[H]	746,000
Ambient Temperature	[°C]	—
Load Factor	[%]	—