



# M T B F

(MIL-HDBK217F NOTICE 2)

Model	UMPS60F12-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	1.0270	
2		Hybrid	0	0.0000	
3	Transistors		3	1.1370	
4	Diodes		7	0.1940	
5	LED•Optocouplers		2	0.4770	
6	Resistors		42	0.2380	
7	Capacitors		25	1.7230	
8	Transformer•Choke Coil		6	0.3150	
9	Connectors		229	0.0170	
10	Others		3	0.0230	
Total Failure Rate [10 <sup>-6</sup> /H]				5.1510	

M T B F	[H]	194,100
Ambient Temperature	[°C]	30.0
Load Factor	[%]	100



# M T B F

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

Model	UMPS60F12-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	0.0980	
2		H y b r i d	0	0.0000	
3	T r a n s i s t o r s		3	0.1012	
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		42	0.3282	
7	C a p a c i t o r s		25	0.2772	
8	Transformer•Choke Coil		6	0.1173	
9	C o n n e c t o r s		229	0.0775	
1 0	O t h e r s		3	0.1500	
Total Failure Rate [10 <sup>-6</sup> /H]				1.4686	

M T B F	[H]	681,000
Ambient Temperature	[°C]	—
Load Factor	[%]	—