

Life Test Report



Part Number		MC21682	Test Condition			Test Result		
Spec.	Speed	3,000 RPM	Input voltage	115V AC 60Hz	Failed Q`ty	0		
	Current	0.23 AMP	Temperature	70°C	Conf. Level	90%		
Sample tested		50 Pcs	Orientation	Vertical	Life Expectancy MTTF(hours)	65,076		
Test hours/Each		3,000 Hours	Running	In Free Air				
Failure Definition			Test Result , (Including Time To Failure , Datum , Statistics .. etc)					
1. No function. 2. RPM under 15% of original 3. Current over 15% of original 4. Noise over 3dB(A) of original			<u>Accu.F/Q</u>	<u>TTF(Hrs)</u>	<u>UUT</u>	<u>Accu.F/R</u>	<u>Finding</u>	
			0		50	0.00%	No Failure Found	
The Life Expectancy of this fan has not been evaluated for use in combination with any end application. Therefore, the Life Expectancy MTTF Test Report that relates to this fan is only for reference.			(Testing Temp. - Operating Temp.) /10 Accelerate Factor; AF = 1.5					
MTTF calculation method: $MTTF = (2 \times T) / (x^2, \alpha, 2r+2)$ According to confidential level at 90% and Zero failure, it obtains a coefficient of 4.61 from CHI-SQUARE TABLE.			Temp. Range	30°C	40°C	50°C	60°C	70°C
			AF (Multiple)	5.06	3.38	2.25	1.5	1
			MTTF (hours)	329,447	219,631	146,421	97,614	65,076

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