

SOFASCO INC. MTTF REPORT

MODEL NO	A17251V1M-C	BEARING	BALL BEARING		
VOLTAGE	115V/50Hz	CURRENT	0.4 A	SPEED	2600 RPM
TESTED QTY	50 PCS	TEST HRS/EA	1405 HRS	TOTAL HRS	70250 HRS
TEST TEMPERATURE	60 °C	TEST VOLTAGE	115/50Hz V		

FAIL DEFINITION	CHECK POINT AT THE HOURS OF				
1. FAN NOT RUNNING	<input checked="" type="checkbox"/> 0 HR <input checked="" type="checkbox"/> 1000 HR				
2. SPEED OVER ± 15% OF SPEC.	<input checked="" type="checkbox"/> 72 HR <input checked="" type="checkbox"/> 1250 HR				
3. CURRENT OVER OF SPEC. (MAX)	<input checked="" type="checkbox"/> 300 HR <input type="checkbox"/> 1500 HR				
4. NOISE OVER +3dB OF SPEC. (MAX)	<input checked="" type="checkbox"/> 600 HR				
FAIL TIME RECORD(HRS)					
1ST	2ND	3RD	4TH	5TH	6TH
7TH	8TH	9TH	10TH	11TH	12TH

TEST RESULT																
CONFIDENCE LEVEL= 90%																
ACCELERATION FACTOR= A temp x A volt																
$\{e^{[(\Delta H/K) * [(1/Temp\ 1) - (1/Temp\ 2)]]}\} \times [(V\ h.s./V\ l.s.)^n]$																
MTTF(HRS)																
500000																
400000																
300000																
200000																
100000																
0	<div style="display: flex; justify-content: space-around; margin-bottom: 5px;"> 30405060 </div> TEMP(CENTIGRADE) °C															
	<table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">TEMP</th> <th style="width: 15%;">30</th> <th style="width: 15%;">40</th> <th style="width: 15%;">50</th> <th style="width: 15%;">60</th> </tr> </thead> <tbody> <tr> <td>MTTF</td> <td>402210</td> <td>278701</td> <td>197557</td> <td>142960</td> </tr> <tr> <td>L10</td> <td>42337</td> <td>29336</td> <td>20795</td> <td>15048</td> </tr> </tbody> </table>	TEMP	30	40	50	60	MTTF	402210	278701	197557	142960	L10	42337	29336	20795	15048
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APPROVED BY	CHECKED BY	PREPARED BY
MICHAEL WANG	LILY TSAI	LUCY KUO