

# SOFASCO INC. MTTF REPORT

MODEL NO	A17051V2HBT	BEARING	BALL BEARING
VOLTAGE	230/50Hz V	CURRENT	110 mA
SPEED	2850 RPM		
TESTED QTY	50 PCS	TEST HRS/EA	1405 HRS
TOTAL HRS	70250 HRS		
TEST TEMPERATURE	70 °C	TEST VOLTAGE	230/50Hz 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																			
	30                  40                  50                  60                  75 TEMP(CENTIGRADE) °C																		
	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>TEMP</th> <th>30</th> <th>40</th> <th>50</th> <th>60</th> <th>70</th> </tr> </thead> <tbody> <tr> <td>MTTF</td> <td>402210</td> <td>278701</td> <td>197557</td> <td>142960</td> <td>105424</td> </tr> <tr> <td>L10</td> <td>42337</td> <td>29336</td> <td>20795</td> <td>15048</td> <td>11097</td> </tr> </tbody> </table>	TEMP	30	40	50	60	70	MTTF	402210	278701	197557	142960	105424	L10	42337	29336	20795	15048	11097
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APPROVED BY	CHECKED BY	PREPARED BY
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