

MODEL <b>ACK-090-04</b> MTBF				
P/N 05-01033-000				
MTBF CALCULATION PER MIL-HDBK-217F PARTS COUNT RELIABILITY PREDICTION METHOD				
ITEM	QUANTITY	FAILURE RATE PER 10 <sup>6</sup> HOURS	QUALITY FACTOR	TOTAL FAILURE RATE PER 10 <sup>6</sup> HOURS
CAPACITOR, ELECTROLYTIC	4	0.02400	3.0	0.2880
CAPACITOR, CERAMIC	56	0.00360	3.0	0.6048
CAPACITOR, METALLIZED PAPER	2	0.00290	3.0	0.0174
DIODE, GENERAL PURPOSE	16	0.00360	5.5	0.3168
FET	7	0.01400	8.0	0.7840
IC, BIPOLAR LINEAR	23	0.00950	2.0	0.4370
IC, DIGITAL CMOS	1	0.00570	3.1	0.0177
IC, REGULATOR	2	0.00950	8.0	0.1520
INDUCTOR, MOLDED	1	0.00170	4.0	0.0068
OSCILLATOR, CRYSTAL	1	0.03200	2.1	0.0672
RECTIFIER, POWER	4	0.00280	8.0	0.0896
RESISTOR NETWORK, FILM	17	0.00230	3.0	0.1173
RESISTOR, METAL FILM	44	0.00120	3.0	0.1584
RESISTOR, WW POWER	4	0.01400	3.0	0.1680
SOCKET	1	0.00540	2.0	0.0108
SOLDERED CONNECTIONS	378	0.00007	1.0	0.0265
THERMISTOR	1	0.06500	3.0	0.1950
TRANSFORMER	1	0.02300	3.0	0.0690
TRANSISTOR	4	0.00015	5.5	0.0033
			<b>TOTAL</b>	<b>3.5295</b>
			<b>MTBF (HOURS)</b>	<b>283324</b>
			<b>MTBF (YEARS)</b>	<b>32.34</b>
MODEL <b>ACK-055-06</b> MTBF				
P/N 05-01005-000				
MTBF CALCULATION PER MIL-HDBK-217F PARTS COUNT RELIABILITY PREDICTION METHOD				
ITEM	QUANTITY	FAILURE RATE	QUALITY	TOTAL FAILURE RATE

