MODEL (STL-055-04 & STL-75-03) MTBF				
P/N 05-00970-000 & PN 05-00987				
MTBF CALCULATION PER MIL-HDBK-217F PARTS COUNT RELIABILITY PREDICTION METHOD				
ITEM	**QUANTITY**	**FAILURE RATE PER 10^6 HOURS**	**QUALITY FACTOR**	**TOTAL FAILURE RATE PER 10^6 HOURS**
CAPACITOR, ELECTROLYTIC	4	0.02400	3.0	0.2880
CAPACITOR, CERAMIC	50	0.00360	3.0	0.5400
CAPACITOR, METALLIZED PAPER	2	0.00290	3.0	0.0174
CONNECTOR	2	0.00540	2.0	0.0216
DIODE, GENERAL PURPOSE	20	0.00360	5.5	0.3960
FET	9	0.01400	8.0	1.0080
IC, BIPOLAR LINEAR	17	0.00950	2.0	0.3230
IC, DIGITAL CMOS	1	0.00570	3.1	0.0177
IC, REGULATOR	2	0.00950	8.0	0.1520
INDUCTOR	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	15	0.00230	3.0	0.1035
RESISTOR, METAL FILM	48	0.00120	3.0	0.1728
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, BIPOLAR	6	0.00015	5.5	0.0050
			TOTAL	**3.6778**
			MTBF (HOURS)	**271903**
			MTBF (YEARS)	**31.04**