MODEL 7225AC MTBF				
P/N 00-00287-000				
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	5	0.02400	3.0	0.3600
CAPACITOR, CERAMIC	76	0.00360	3.0	0.8208
CAPACITOR, TANTALUM	8	0.00180	3.0	0.0432
CAPACITOR, PLASTIC FILM	2	0.00230	3.0	0.0138
CONNECTOR	2	0.00540	2.0	0.0216
DIODE, GENERAL PURPOSE	18	0.00360	5.5	0.3564
DIODE, LIGHT EMITTING	1	0.00047	8.0	0.0038
DIODE, ZENER	8	0.00330	5.5	0.1452
FET, SILICON	2	0.01400	8.0	0.2240
IC, BIPOLAR LINEAR	23	0.00950	2.0	0.4370
IC, DIGITAL CMOS	2	0.00570	3.1	0.0353
IC, REGULATOR	3	0.00950	8.0	0.2280
OPTOCOUPLER/ISOLATOR	1	0.02700	8.0	0.2160
POTENTIOMETER	4	0.03300	3.0	0.3960
PROM, EE	3	0.01000	2.0	0.0600
RECTIFIER, POWER	12	0.00280	8.0	0.2688
RELAY	1	0.43000	3.0	1.2900
RESISTOR NETWORK, FILM	22	0.00230	3.0	0.1518
RESISTOR, METAL FILM	87	0.00120	3.0	0.3132
SOCKET	11	0.00540	2.0	0.1188
SOLDERED CONNECTIONS	622	0.00007	1.0	0.0435
SWITCH	1	0.00100	8.4	0.0084
THERMISTOR	2	0.06500	3.0	0.3900
TRANSDUCER, CURRENT	2	0.00170	3.0	0.0102
TRANSFORMER, FLYBACK	1	0.02300	3.0	0.0690
TRANSIENT VOLTAGE SUPPRESSOR	3	0.00290	5.5	0.0479
TRANSISTOR, BIPOLAR	11	0.00015	5.5	0.0091
			TOTAL	**6.0818**
			MTBF (HOURS)	**164426**
			MTBF (YEARS)	**18.77**

MODEL 7425AC MTBF				
P/N 00-00285-000				
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	5	0.02400	3.0	0.3600
CAPACITOR, CERAMIC	70	0.00360	3.0	0.7560
CAPACITOR, TANTALUM	8	0.00180	3.0	0.0432
CAPACITOR, PLASTIC FILM	2	0.00230	3.0	0.0138
CONNECTOR	2	0.00540	2.0	0.0216
DIODE, GENERAL PURPOSE	12	0.00360	5.5	0.2376
DIODE, LIGHT EMITTING	1	0.00047	8.0	0.0038
DIODE, ZENER	14	0.00330	5.5	0.2541
FET	2	0.01400	8.0	0.2240
IC, BIPOLAR LINEAR	20	0.00950	2.0	0.3800
IC, DIGITAL CMOS	2	0.00570	3.1	0.0353
IC, REGULATOR	3	0.00950	8.0	0.2280
OPTOCOUPLER/ISOLATOR	1	0.02700	8.0	0.2160
POTENTIOMETER	4	0.03300	3.0	0.3960
PROM, EE	4	0.01000	2.0	0.0800
RECTIFIER, POWER	12	0.00280	8.0	0.2688
RESISTOR NETWORK, FILM	22	0.00230	3.0	0.1518
RESISTOR, METAL FILM	79	0.00120	3.0	0.2844
SOCKET	8	0.00540	2.0	0.0864
SOLDERED CONNECTIONS	584	0.00007	1.0	0.0409
SWITCH	2	0.00100	8.4	0.0168
THERMISTOR	2	0.06500	3.0	0.3900
TRANSDUCER, CURRENT	2	0.00170	3.0	0.0102
TRANSFORMER, FLYBACK	1	0.02300	3.0	0.0690
TRANSIENT VOLTAGE SUPPRESSOR	3	0.00290	5.5	0.0479
TRANSISTOR, BIPOLAR	11	0.00015	5.5	0.0091
			TOTAL	**4.6246**
			MTBF (HOURS)	**216235**
			MTBF (YEARS)	**24.68**