

MODEL SE2-090-07 MTBF				
P/N 10-73596-01				
MTBF CALCULATION PER MIL-HDBK-217F PARTS COUNT RELIABILITY PREDICTION METHOD				
ITEM	QUANTITY	FAILURE RATE PER 10⁶ HOURS	QUALITY FACTOR	TOTAL FAILURE RATE PER 10⁶ HOURS
CAPACITOR, CERAMIC	220	0.00360	3.0	2.3760
CONNECTOR	12	0.00540	2.0	0.1296
DIODE, SCHOTTKY	18	0.04700	2.5	2.1150
DIODE, SWITCHING	23	0.00094	5.5	0.1189
DIODE, ZENER	2	0.00330	5.5	0.0363
FET, SILICON	19	0.01400	8.0	2.1280
IC, DIGITAL CMOS	36	0.00570	3.1	0.6361
IC, REGULATOR	4	0.00950	8.0	0.3040
INDUCTORS	5	0.00170	4.0	0.0340
OSCILLATOR, CRYSTAL	1	0.03200	2.1	0.0672
PCB	3	0.00004	2.0	0.0002
PROM, EE	1	0.01000	2.0	0.0200
RECTIFIER, POWER	3	0.00280	8.0	0.0672
RESISTOR NETWORK, FILM	32	0.00230	3.0	0.2208
RESISTOR, METAL FILM	141	0.00120	3.0	0.5076
RESISTOR, WW POWER	7	0.01400	3.0	0.2940
SOLDERED CONNECTIONS	2419	0.00007	1.0	0.1693
THERMISTOR	1	0.06500	3.0	0.1950
TRANSFORMER, FLYBACK	1	0.02300	3.0	0.0690
TRANSFORMER, PULSED	2	0.00350	3.0	0.0210
TRANSIENT VOLTAGE SUPPRESSOR	2	0.00290	5.5	0.0319
TRANSISTORS, BIPOLAR	4	0.00015	5.5	0.0033
			TOTAL	9.5445
			MTBF (HOURS)	104772
			MTBF (YRS)	11.96

MODEL SE2-090-10 MTBF				
P/N 10-73596-02				
MTBF CALCULATION PER MIL-HDBK-217F PARTS COUNT RELIABILITY PREDICTION METHOD				
ITEM	QUANTITY	FAILURE RATE PER 10⁶ HOURS	QUALITY FACTOR	TOTAL FAILURE RATE PER 10⁶ HOURS
CAPACITOR, CERAMIC	220	0.00360	3.0	2.3760
CONNECTOR	12	0.00540	2.0	0.1296
DIODE, SCHOTTKY	18	0.04700	2.5	2.1150
DIODE, SWITCHING	23	0.00094	5.5	0.1189
DIODE, ZENER	2	0.00330	5.5	0.0363
FET, SILICON	19	0.01400	8.0	2.1280
IC, DIGITAL CMOS	36	0.00570	3.1	0.6361
IC, REGULATOR	4	0.00950	8.0	0.3040
INDUCTORS	5	0.00170	4.0	0.0340
OSCILLATOR, CRYSTAL	1	0.03200	2.1	0.0672
PCB	3	0.00004	2.0	0.0002
PROM, EE	1	0.01000	2.0	0.0200
RECTIFIER, POWER	3	0.00280	8.0	0.0672
RESISTOR NETWORK, FILM	32	0.00230	3.0	0.2208
RESISTOR, METAL FILM	141	0.00120	3.0	0.5076
RESISTOR, WW POWER	7	0.01400	3.0	0.2940
SOLDERED CONNECTIONS	2419	0.00007	1.0	0.1693
THERMISTOR	1	0.06500	3.0	0.1950
TRANSFORMER, FLYBACK	1	0.02300	3.0	0.0690
TRANSFORMER, PULSED	2	0.00350	3.0	0.0210
TRANSIENT VOLTAGE SUPPRESSOR	2	0.00290	5.5	0.0319
TRANSISTORS, BIPOLAR	4	0.00015	5.5	0.0033
			TOTAL	9.5445
			MTBF (HOURS)	104772
			MTBF (YRS)	11.96

MODEL SP2-090-07 MTBF				
P/N 10-73595-01				
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