

| MODEL XTL-230-18 ROHS MTBF | | | | |
|---|-----------------|---------------------------------|---------------------|---------------------------------|
| P/N 00-00837-000 | | | | |
| MTBF CALCULATION PER MIL-HDBK-217F PARTS COUNT RELIABILITY PREDICTION METHOD | | | | |
| ITEM | QUANTITY | FAILURE RATE | QUALITY | TOTAL FAILURE RATE |
| | | PER 10⁶ HOURS | FACTOR | PER 10⁶ HOURS |
| CAPACITOR, ALUMINUM OXIDE ELECT | 37 | 0.02400 | 3.0 | 2.6640 |
| CAPACITOR, CERAMIC | 190 | 0.00360 | 3.0 | 2.0520 |
| CAPACITOR, METALLIZED FILM | 16 | 0.00290 | 3.0 | 0.1392 |
| CONNECTOR | 4 | 0.00540 | 2.0 | 0.0432 |
| DIODE, LIGHT EMITTING | 2 | 0.00047 | 8.0 | 0.0075 |
| DIODE, SCHOTTKY | 4 | 0.04700 | 2.5 | 0.4700 |
| DIODE, SWITCHING | 18 | 0.00094 | 5.5 | 0.0931 |
| DIODE, ZENER | 22 | 0.00330 | 5.5 | 0.3993 |
| FET, SILICON | 8 | 0.01400 | 8.0 | 0.8960 |
| IC, DIGITAL CMOS | 54 | 0.00570 | 3.1 | 0.9542 |
| IC, REGULATOR | 12 | 0.00950 | 8.0 | 0.9120 |
| IGBT | 1 | 0.01400 | 8.0 | 0.1120 |
| INDUCTORS | 2 | 0.00170 | 4.0 | 0.0136 |
| OPTOCOUPLER/ISOLATOR | 14 | 0.02700 | 8.0 | 3.0240 |
| OSCILLATOR, CRYSTAL | 1 | 0.03200 | 2.1 | 0.0672 |
| PCB | 3 | 0.00004 | 2.0 | 0.0002 |
| PROM, EE | 3 | 0.01000 | 2.0 | 0.0600 |
| RECTIFIER, POWER | 20 | 0.00280 | 8.0 | 0.4480 |
| RESISTOR NETWORK, FILM | 38 | 0.00230 | 3.0 | 0.2622 |
| RESISTOR, METAL FILM | 186 | 0.00120 | 3.0 | 0.6696 |
| RESISTOR, METAL FILM, PWR | 12 | 0.01200 | 3.0 | 0.4320 |
| RESISTOR, WW POWER | 2 | 0.01400 | 3.0 | 0.0840 |
| SOLDERED CONNECTIONS | 1340 | 0.00007 | 1.0 | 0.0938 |
| SWITCH | 2 | 0.00100 | 8.4 | 0.0168 |
| THERMISTOR | 1 | 0.06500 | 3.0 | 0.1950 |
| TRANSFORMER, FLYBACK | 6 | 0.02300 | 3.0 | 0.4140 |
| TRANSIENT VOLTAGE SUPPRESSOR | 4 | 0.00290 | 5.5 | 0.0638 |
| TRANSISTORS, BIPOLAR | 8 | 0.00015 | 5.5 | 0.0066 |
| | | | TOTAL | 14.5933 |
| | | | MTBF (HOURS) | 68525 |
| | | | MTBF (YRS) | 7.82 |

| MODEL XTL-230-18-R MTBF | | | | |
|---|-----------------|--|---------------------------|--|
| P/N 00-00740-000 | | | | |
| 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, ALUMINUM OXIDE ELECT | 16 | 0.02400 | 3.0 | 1.1520 |
| CAPACITOR, CERAMIC | 159 | 0.00360 | 3.0 | 1.7172 |
| CAPACITOR, METALLIZED FILM | 8 | 0.00290 | 3.0 | 0.0696 |
| CONNECTOR | 4 | 0.00540 | 2.0 | 0.0432 |
| DIODE, LIGHT EMITTING | 2 | 0.00047 | 8.0 | 0.0075 |
| DIODE, SCHOTTKY | 4 | 0.04700 | 2.5 | 0.4700 |
| DIODE, SWITCHING | 11 | 0.00094 | 5.5 | 0.0569 |
| DIODE, ZENER | 11 | 0.00330 | 5.5 | 0.1997 |
| FET, SILICON | 6 | 0.01400 | 8.0 | 0.6720 |
| IC, DIGITAL CMOS | 39 | 0.00570 | 3.1 | 0.6891 |
| IC, REGULATOR | 7 | 0.00950 | 8.0 | 0.5320 |
| IGBT | 1 | 0.01400 | 8.0 | 0.1120 |
| INDUCTORS | 1 | 0.00170 | 4.0 | 0.0068 |
| OPTOCOUPLER/ISOLATOR | 12 | 0.02700 | 8.0 | 2.5920 |
| OSCILLATOR, CRYSTAL | 1 | 0.03200 | 2.1 | 0.0672 |
| PCB | 2 | 0.00004 | 2.0 | 0.0002 |
| PROM, EE | 3 | 0.01000 | 2.0 | 0.0600 |
| RECTIFIER, POWER | 11 | 0.00280 | 8.0 | 0.2464 |
| RESISTOR NETWORK, FILM | 35 | 0.00230 | 3.0 | 0.2415 |
| RESISTOR, METAL FILM | 117 | 0.00120 | 3.0 | 0.4212 |
| RESISTOR, WW POWER | 1 | 0.01400 | 3.0 | 0.0420 |
| SOLDERED CONNECTIONS | 928 | 0.00007 | 1.0 | 0.0650 |
| SWITCH | 2 | 0.00100 | 8.4 | 0.0168 |
| THERMISTOR | 1 | 0.06500 | 3.0 | 0.1950 |
| TRANSFORMER, FLYBACK | 3 | 0.02300 | 3.0 | 0.2070 |
| TRANSIENT VOLTAGE SUPPRESSOR | 3 | 0.00290 | 5.5 | 0.0479 |
| TRANSISTORS, BIPOLAR | 4 | 0.00015 | 5.5 | 0.0033 |
| | | | | |
| | | | TOTAL | 9.9333 |
| | | | MTBF (HOURS) | 100671 |
| | | | MTBF (YRS) | 11.49 |

| MODEL XTL-230-18-S ROHS MTBF | | | | |
|---|-----------------|---------------------------------|---------------------|---------------------------------|
| P/N 00-00828-000 | | | | |
| MTBF CALCULATION PER MIL-HDBK-217F PARTS COUNT RELIABILITY PREDICTION METHOD | | | | |
| ITEM | QUANTITY | FAILURE RATE | QUALITY | TOTAL FAILURE RATE |
| | | PER 10⁶ HOURS | FACTOR | PER 10⁶ HOURS |
| CAPACITOR, ALUMINUM OXIDE ELECT | 37 | 0.02400 | 3.0 | 2.6640 |
| CAPACITOR, CERAMIC | 190 | 0.00360 | 3.0 | 2.0520 |
| CAPACITOR, METALLIZED FILM | 16 | 0.00290 | 3.0 | 0.1392 |
| CONNECTOR | 4 | 0.00540 | 2.0 | 0.0432 |
| DIODE, LIGHT EMITTING | 2 | 0.00047 | 8.0 | 0.0075 |
| DIODE, SCHOTTKY | 4 | 0.04700 | 2.5 | 0.4700 |
| DIODE, SWITCHING | 18 | 0.00094 | 5.5 | 0.0931 |
| DIODE, ZENER | 22 | 0.00330 | 5.5 | 0.3993 |
| FET, SILICON | 8 | 0.01400 | 8.0 | 0.8960 |
| IC, DIGITAL CMOS | 54 | 0.00570 | 3.1 | 0.9542 |
| IC, REGULATOR | 12 | 0.00950 | 8.0 | 0.9120 |
| IGBT | 1 | 0.01400 | 8.0 | 0.1120 |
| INDUCTORS | 2 | 0.00170 | 4.0 | 0.0136 |
| OPTOCOUPLER/ISOLATOR | 14 | 0.02700 | 8.0 | 3.0240 |
| OSCILLATOR, CRYSTAL | 1 | 0.03200 | 2.1 | 0.0672 |
| PCB | 3 | 0.00004 | 2.0 | 0.0002 |
| PROM, EE | 3 | 0.01000 | 2.0 | 0.0600 |
| RECTIFIER, POWER | 20 | 0.00280 | 8.0 | 0.4480 |
| RESISTOR NETWORK, FILM | 38 | 0.00230 | 3.0 | 0.2622 |
| RESISTOR, METAL FILM | 186 | 0.00120 | 3.0 | 0.6696 |
| RESISTOR, METAL FILM, PWR | 12 | 0.01200 | 3.0 | 0.4320 |
| RESISTOR, WW POWER | 2 | 0.01400 | 3.0 | 0.0840 |
| SOLDERED CONNECTIONS | 1340 | 0.00007 | 1.0 | 0.0938 |
| SWITCH | 2 | 0.00100 | 8.4 | 0.0168 |
| THERMISTOR | 1 | 0.06500 | 3.0 | 0.1950 |
| TRANSFORMER, FLYBACK | 6 | 0.02300 | 3.0 | 0.4140 |
| TRANSIENT VOLTAGE SUPPRESSOR | 4 | 0.00290 | 5.5 | 0.0638 |
| TRANSISTORS, BIPOLAR | 8 | 0.00015 | 5.5 | 0.0066 |
| | | | | |
| | | | TOTAL | 14.5933 |
| | | | MTBF (HOURS) | 68525 |
| | | | MTBF (YRS) | 7.82 |

| MODEL XTL-230-36 ROHS MTBF | | | | |
|---|-----------------|--|---------------------------|--|
| P/N 00-00831-000 | | | | |
| 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, ALUMINUM OXIDE ELECT | 35 | 0.02400 | 3.0 | 2.5200 |
| CAPACITOR, CERAMIC | 227 | 0.00360 | 3.0 | 2.4516 |
| CAPACITOR, METALLIZED FILM | 8 | 0.00290 | 3.0 | 0.0696 |
| CONNECTOR | 8 | 0.00540 | 2.0 | 0.0864 |
| DIODE, LIGHT EMITTING | 4 | 0.00047 | 8.0 | 0.0150 |
| DIODE, SCHOTTKY | 2 | 0.04700 | 2.5 | 0.2350 |
| DIODE, SWITCHING | 15 | 0.00094 | 5.5 | 0.0776 |
| DIODE, ZENER | 11 | 0.00330 | 5.5 | 0.1997 |
| FET, SILICON | 10 | 0.01400 | 8.0 | 1.1200 |
| IC, DIGITAL CMOS | 75 | 0.00570 | 3.1 | 1.3253 |
| IC, REGULATOR | 11 | 0.00950 | 8.0 | 0.8360 |
| IGBT | 1 | 0.01400 | 8.0 | 0.1120 |
| INDUCTORS | 1 | 0.00170 | 4.0 | 0.0068 |
| OPTOCOUPLER/ISOLATOR | 10 | 0.02700 | 8.0 | 2.1600 |
| OSCILLATOR, CRYSTAL | 2 | 0.03200 | 2.1 | 0.1344 |
| PCB | 3 | 0.00004 | 2.0 | 0.0002 |
| PROM, EE | 6 | 0.01000 | 2.0 | 0.1200 |
| RECTIFIER, POWER | 10 | 0.00280 | 8.0 | 0.2240 |
| RESISTOR NETWORK, FILM | 67 | 0.00230 | 3.0 | 0.4623 |
| RESISTOR, METAL FILM | 141 | 0.00120 | 3.0 | 0.5076 |
| RESISTOR, METAL FILM, PWR | 9 | 0.01200 | 3.0 | 0.3240 |
| RESISTOR, WW POWER | 1 | 0.01400 | 3.0 | 0.0420 |
| SOLDERED CONNECTIONS | 1348 | 0.00007 | 1.0 | 0.0944 |
| SWITCH | 4 | 0.00100 | 8.4 | 0.0336 |
| THERMISTOR | 2 | 0.06500 | 3.0 | 0.3900 |
| TRANSFORMER, FLYBACK | 3 | 0.02300 | 3.0 | 0.2070 |
| TRANSIENT VOLTAGE SUPPRESSOR | 4 | 0.00290 | 5.5 | 0.0638 |
| TRANSISTORS, BIPOLAR | 4 | 0.00015 | 5.5 | 0.0033 |
| | | | TOTAL | 13.8215 |
| | | | MTBF (HOURS) | 72351 |
| | | | MTBF (YRS) | 8.26 |

| MODEL XTL-230-36-R MTBF | | | | |
|---|-----------------|--|---------------------------|--|
| P/N 00-00734-000 | | | | |
| 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, ALUMINUM OXIDE ELECT | 24 | 0.02400 | 3.0 | 1.7280 |
| CAPACITOR, CERAMIC | 151 | 0.00360 | 3.0 | 1.6308 |
| CAPACITOR, METALLIZED FILM | 8 | 0.00290 | 3.0 | 0.0696 |
| CONNECTOR | 4 | 0.00540 | 2.0 | 0.0432 |
| DIODE, LIGHT EMITTING | 2 | 0.00047 | 8.0 | 0.0075 |
| DIODE, SCHOTTKY | 4 | 0.04700 | 2.5 | 0.4700 |
| DIODE, SWITCHING | 11 | 0.00094 | 5.5 | 0.0569 |
| DIODE, ZENER | 11 | 0.00330 | 5.5 | 0.1997 |
| FET, SILICON | 6 | 0.01400 | 8.0 | 0.6720 |
| IC, DIGITAL CMOS | 43 | 0.00570 | 3.1 | 0.7598 |
| IC, REGULATOR | 8 | 0.00950 | 8.0 | 0.6080 |
| IGBT | 1 | 0.01400 | 8.0 | 0.1120 |
| INDUCTORS | 1 | 0.00170 | 4.0 | 0.0068 |
| OPTOCOUPLER/ISOLATOR | 8 | 0.02700 | 8.0 | 1.7280 |
| OSCILLATOR, CRYSTAL | 1 | 0.03200 | 2.1 | 0.0672 |
| PCB | 2 | 0.00004 | 2.0 | 0.0002 |
| PROM, EE | 3 | 0.01000 | 2.0 | 0.0600 |
| RECTIFIER, POWER | 10 | 0.00280 | 8.0 | 0.2240 |
| RESISTOR NETWORK, FILM | 35 | 0.00230 | 3.0 | 0.2415 |
| RESISTOR, METAL FILM | 117 | 0.00120 | 3.0 | 0.4212 |
| RESISTOR, WW POWER | 1 | 0.01400 | 3.0 | 0.0420 |
| SOLDERED CONNECTIONS | 928 | 0.00007 | 1.0 | 0.0650 |
| SWITCH | 2 | 0.00100 | 8.4 | 0.0168 |
| THERMISTOR | 1 | 0.06500 | 3.0 | 0.1950 |
| TRANSFORMER, FLYBACK | 3 | 0.02300 | 3.0 | 0.2070 |
| TRANSIENT VOLTAGE SUPPRESSOR | 3 | 0.00290 | 5.5 | 0.0479 |
| TRANSISTORS, BIPOLAR | 4 | 0.00015 | 5.5 | 0.0033 |
| | | | | |
| | | | TOTAL | 9.6832 |
| | | | MTBF (HOURS) | 103271 |
| | | | MTBF (YRS) | 11.79 |

| MODEL XTL-230-36-S ROHS MTBF | | | | |
|---|-----------------|--|---------------------------|--|
| P/N 00-00822-000 | | | | |
| 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, ALUMINUM OXIDE ELECT | 35 | 0.02400 | 3.0 | 2.5200 |
| CAPACITOR, CERAMIC | 227 | 0.00360 | 3.0 | 2.4516 |
| CAPACITOR, METALLIZED FILM | 8 | 0.00290 | 3.0 | 0.0696 |
| CONNECTOR | 8 | 0.00540 | 2.0 | 0.0864 |
| DIODE, LIGHT EMITTING | 4 | 0.00047 | 8.0 | 0.0150 |
| DIODE, SCHOTTKY | 2 | 0.04700 | 2.5 | 0.2350 |
| DIODE, SWITCHING | 15 | 0.00094 | 5.5 | 0.0776 |
| DIODE, ZENER | 11 | 0.00330 | 5.5 | 0.1997 |
| FET, SILICON | 10 | 0.01400 | 8.0 | 1.1200 |
| IC, DIGITAL CMOS | 75 | 0.00570 | 3.1 | 1.3253 |
| IC, REGULATOR | 11 | 0.00950 | 8.0 | 0.8360 |
| IGBT | 1 | 0.01400 | 8.0 | 0.1120 |
| INDUCTORS | 1 | 0.00170 | 4.0 | 0.0068 |
| OPTOCOUPLER/ISOLATOR | 10 | 0.02700 | 8.0 | 2.1600 |
| OSCILLATOR, CRYSTAL | 2 | 0.03200 | 2.1 | 0.1344 |
| PCB | 3 | 0.00004 | 2.0 | 0.0002 |
| PROM, EE | 6 | 0.01000 | 2.0 | 0.1200 |
| RECTIFIER, POWER | 10 | 0.00280 | 8.0 | 0.2240 |
| RESISTOR NETWORK, FILM | 67 | 0.00230 | 3.0 | 0.4623 |
| RESISTOR, METAL FILM | 141 | 0.00120 | 3.0 | 0.5076 |
| RESISTOR, METAL FILM, PWR | 9 | 0.01200 | 3.0 | 0.3240 |
| RESISTOR, WW POWER | 1 | 0.01400 | 3.0 | 0.0420 |
| SOLDERED CONNECTIONS | 1348 | 0.00007 | 1.0 | 0.0944 |
| SWITCH | 4 | 0.00100 | 8.4 | 0.0336 |
| THERMISTOR | 2 | 0.06500 | 3.0 | 0.3900 |
| TRANSFORMER, FLYBACK | 3 | 0.02300 | 3.0 | 0.2070 |
| TRANSIENT VOLTAGE SUPPRESSOR | 4 | 0.00290 | 5.5 | 0.0638 |
| TRANSISTORS, BIPOLAR | 4 | 0.00015 | 5.5 | 0.0033 |
| | | | TOTAL | 13.8215 |
| | | | MTBF (HOURS) | 72351 |
| | | | MTBF (YRS) | 8.26 |

| MODEL XTL-230-40 ROHS MTBF | | | | |
|---|-----------------|--|---------------------------|--|
| P/N 00-00834-000 | | | | |
| 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, ALUMINUM OXIDE ELECT | 35 | 0.02400 | 3.0 | 2.5200 |
| CAPACITOR, CERAMIC | 227 | 0.00360 | 3.0 | 2.4516 |
| CAPACITOR, METALLIZED FILM | 8 | 0.00290 | 3.0 | 0.0696 |
| CONNECTOR | 8 | 0.00540 | 2.0 | 0.0864 |
| DIODE, LIGHT EMITTING | 4 | 0.00047 | 8.0 | 0.0150 |
| DIODE, SCHOTTKY | 2 | 0.04700 | 2.5 | 0.2350 |
| DIODE, SWITCHING | 15 | 0.00094 | 5.5 | 0.0776 |
| DIODE, ZENER | 11 | 0.00330 | 5.5 | 0.1997 |
| FET, SILICON | 10 | 0.01400 | 8.0 | 1.1200 |
| IC, DIGITAL CMOS | 75 | 0.00570 | 3.1 | 1.3253 |
| IC, REGULATOR | 11 | 0.00950 | 8.0 | 0.8360 |
| IGBT | 1 | 0.01400 | 8.0 | 0.1120 |
| INDUCTORS | 1 | 0.00170 | 4.0 | 0.0068 |
| OPTOCOUPLER/ISOLATOR | 10 | 0.02700 | 8.0 | 2.1600 |
| OSCILLATOR, CRYSTAL | 2 | 0.03200 | 2.1 | 0.1344 |
| PCB | 3 | 0.00004 | 2.0 | 0.0002 |
| PROM, EE | 6 | 0.01000 | 2.0 | 0.1200 |
| RECTIFIER, POWER | 10 | 0.00280 | 8.0 | 0.2240 |
| RESISTOR NETWORK, FILM | 67 | 0.00230 | 3.0 | 0.4623 |
| RESISTOR, METAL FILM | 141 | 0.00120 | 3.0 | 0.5076 |
| RESISTOR, METAL FILM, PWR | 9 | 0.01200 | 3.0 | 0.3240 |
| RESISTOR, WW POWER | 1 | 0.01400 | 3.0 | 0.0420 |
| SOLDERED CONNECTIONS | 1348 | 0.00007 | 1.0 | 0.0944 |
| SWITCH | 4 | 0.00100 | 8.4 | 0.0336 |
| THERMISTOR | 2 | 0.06500 | 3.0 | 0.3900 |
| TRANSFORMER, FLYBACK | 3 | 0.02300 | 3.0 | 0.2070 |
| TRANSIENT VOLTAGE SUPPRESSOR | 4 | 0.00290 | 5.5 | 0.0638 |
| TRANSISTORS, BIPOLAR | 4 | 0.00015 | 5.5 | 0.0033 |
| | | | TOTAL | 13.8215 |
| | | | MTBF (HOURS) | 72351 |
| | | | MTBF (YRS) | 8.26 |

| MODEL XTL-230-40-R MTBF | | | | |
|---|-----------------|--|---------------------------|--|
| P/N 00-00737-000 | | | | |
| 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, ALUMINUM OXIDE ELECT | 24 | 0.02400 | 3.0 | 1.7280 |
| CAPACITOR, CERAMIC | 151 | 0.00360 | 3.0 | 1.6308 |
| CAPACITOR, METALLIZED FILM | 8 | 0.00290 | 3.0 | 0.0696 |
| CONNECTOR | 4 | 0.00540 | 2.0 | 0.0432 |
| DIODE, LIGHT EMITTING | 2 | 0.00047 | 8.0 | 0.0075 |
| DIODE, SCHOTTKY | 4 | 0.04700 | 2.5 | 0.4700 |
| DIODE, SWITCHING | 11 | 0.00094 | 5.5 | 0.0569 |
| DIODE, ZENER | 11 | 0.00330 | 5.5 | 0.1997 |
| FET, SILICON | 6 | 0.01400 | 8.0 | 0.6720 |
| IC, DIGITAL CMOS | 44 | 0.00570 | 3.1 | 0.7775 |
| IC, REGULATOR | 7 | 0.00950 | 8.0 | 0.5320 |
| IGBT | 1 | 0.01400 | 8.0 | 0.1120 |
| INDUCTORS | 1 | 0.00170 | 4.0 | 0.0068 |
| OPTOCOUPLER/ISOLATOR | 8 | 0.02700 | 8.0 | 1.7280 |
| OSCILLATOR, CRYSTAL | 1 | 0.03200 | 2.1 | 0.0672 |
| PCB | 2 | 0.00004 | 2.0 | 0.0002 |
| PROM, EE | 3 | 0.01000 | 2.0 | 0.0600 |
| RECTIFIER, POWER | 10 | 0.00280 | 8.0 | 0.2240 |
| RESISTOR NETWORK, FILM | 35 | 0.00230 | 3.0 | 0.2415 |
| RESISTOR, METAL FILM | 117 | 0.00120 | 3.0 | 0.4212 |
| RESISTOR, WW POWER | 1 | 0.01400 | 3.0 | 0.0420 |
| SOLDERED CONNECTIONS | 928 | 0.00007 | 1.0 | 0.0650 |
| SWITCH | 2 | 0.00100 | 8.4 | 0.0168 |
| THERMISTOR | 1 | 0.06500 | 3.0 | 0.1950 |
| TRANSFORMER, FLYBACK | 3 | 0.02300 | 3.0 | 0.2070 |
| TRANSIENT VOLTAGE SUPPRESSOR | 3 | 0.00290 | 5.5 | 0.0479 |
| TRANSISTORS, BIPOLAR | 4 | 0.00015 | 5.5 | 0.0033 |
| | | | | |
| | | | TOTAL | 9.6249 |
| | | | MTBF (HOURS) | 103897 |
| | | | MTBF (YRS) | 11.86 |

| MODEL XTL-230-40-S ROHS MTBF | | | | |
|---|-----------------|--|---------------------------|--|
| P/N 00-00825-000 | | | | |
| 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, ALUMINUM OXIDE ELECT | 35 | 0.02400 | 3.0 | 2.5200 |
| CAPACITOR, CERAMIC | 227 | 0.00360 | 3.0 | 2.4516 |
| CAPACITOR, METALLIZED FILM | 8 | 0.00290 | 3.0 | 0.0696 |
| CONNECTOR | 8 | 0.00540 | 2.0 | 0.0864 |
| DIODE, LIGHT EMITTING | 4 | 0.00047 | 8.0 | 0.0150 |
| DIODE, SCHOTTKY | 2 | 0.04700 | 2.5 | 0.2350 |
| DIODE, SWITCHING | 15 | 0.00094 | 5.5 | 0.0776 |
| DIODE, ZENER | 11 | 0.00330 | 5.5 | 0.1997 |
| FET, SILICON | 10 | 0.01400 | 8.0 | 1.1200 |
| IC, DIGITAL CMOS | 75 | 0.00570 | 3.1 | 1.3253 |
| IC, REGULATOR | 11 | 0.00950 | 8.0 | 0.8360 |
| IGBT | 1 | 0.01400 | 8.0 | 0.1120 |
| INDUCTORS | 1 | 0.00170 | 4.0 | 0.0068 |
| OPTOCOUPLER/ISOLATOR | 10 | 0.02700 | 8.0 | 2.1600 |
| OSCILLATOR, CRYSTAL | 2 | 0.03200 | 2.1 | 0.1344 |
| PCB | 3 | 0.00004 | 2.0 | 0.0002 |
| PROM, EE | 6 | 0.01000 | 2.0 | 0.1200 |
| RECTIFIER, POWER | 10 | 0.00280 | 8.0 | 0.2240 |
| RESISTOR NETWORK, FILM | 67 | 0.00230 | 3.0 | 0.4623 |
| RESISTOR, METAL FILM | 141 | 0.00120 | 3.0 | 0.5076 |
| RESISTOR, METAL FILM, PWR | 9 | 0.01200 | 3.0 | 0.3240 |
| RESISTOR, WW POWER | 1 | 0.01400 | 3.0 | 0.0420 |
| SOLDERED CONNECTIONS | 1348 | 0.00007 | 1.0 | 0.0944 |
| SWITCH | 4 | 0.00100 | 8.4 | 0.0336 |
| THERMISTOR | 2 | 0.06500 | 3.0 | 0.3900 |
| TRANSFORMER, FLYBACK | 3 | 0.02300 | 3.0 | 0.2070 |
| TRANSIENT VOLTAGE SUPPRESSOR | 4 | 0.00290 | 5.5 | 0.0638 |
| TRANSISTORS, BIPOLAR | 4 | 0.00015 | 5.5 | 0.0033 |
| | | | | |
| | | | TOTAL | 13.8215 |
| | | | MTBF (HOURS) | 72351 |
| | | | MTBF (YRS) | 8.26 |