

MODEL AEP-055-18 MTBF				
P/N 00-00990-000				
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	7	0.00012	3.0	0.0025
CAPACITOR, CERAMIC	132	0.00099	3.0	0.3920
CAPACITOR, METALLIZED FILM	2	0.00290	3.0	0.0174
CONNECTOR	4	0.00540	2.0	0.0432
DIODE, LIGHT EMITTING	1	0.00047	8.0	0.0038
DIODE, SCHOTTKY	3	0.00300	2.4	0.0216
DIODE, SWITCHING	17	0.00094	5.5	0.0879
DIODE, ZENER	10	0.00330	5.5	0.1815
FET, SILICON	10	0.01400	8.0	1.1200
IC, BIPOLAR LINEAR	6	0.00950	2.0	0.1140
IC, DIGITAL CMOS	23	0.00570	3.1	0.4064
INDUCTORS	7	0.00170	4.0	0.0476
OPTOCOUPLER/ISOLATOR	4	0.02700	8.0	0.8640
OSCILLATOR, CRYSTAL	2	0.03200	2.1	0.1344
PCB	1	0.00002	1.0	0.0000
PROM, EE	1	0.01000	2.0	0.0200
RECTIFIER, POWER	6	0.00280	8.0	0.1344
RESISTOR NETWORK, FILM	24	0.00230	3.0	0.1656
RESISTOR, METAL FILM	99	0.00120	3.0	0.3564
RESISTOR, WW POWER	1	0.01400	3.0	0.0420
SOLDERED CONNECTIONS	2285	0.00007	1.0	0.1577
SWITCH	2	0.00100	8.4	0.0168
THERMISTOR	1	0.06500	3.0	0.1950
TRANSFORMER, FLYBACK	1	0.02300	3.0	0.0690
TRANSIENT VOLTAGE SUPPRESSOR	4	0.00290	5.5	0.0638
TRANSISTORS, BIPOLAR	3	0.00015	5.5	0.0025
			TOTAL	4.6595
			MTBF (HOURS)	214616
			MTBF (YRS)	24.50

MODEL AEP-090-09 MTBF				
P/N 00-00989-000				
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	7	0.00012	3.0	0.0025
CAPACITOR, CERAMIC	132	0.00099	3.0	0.3920
CAPACITOR, METALLIZED FILM	2	0.00290	3.0	0.0174
CONNECTOR	4	0.00540	2.0	0.0432
DIODE, LIGHT EMITTING	1	0.00047	8.0	0.0038
DIODE, SCHOTTKY	3	0.00300	2.4	0.0216
DIODE, SWITCHING	17	0.00094	5.5	0.0879
DIODE, ZENER	10	0.00330	5.5	0.1815
FET, SILICON	10	0.01400	8.0	1.1200
IC, BIPOLAR LINEAR	6	0.00950	2.0	0.1140
IC, DIGITAL CMOS	23	0.00570	3.1	0.4064
INDUCTORS	7	0.00170	4.0	0.0476
OPTOCOUPLER/ISOLATOR	4	0.02700	8.0	0.8640
OSCILLATOR, CRYSTAL	2	0.03200	2.1	0.1344
PCB	1	0.00002	1.0	0.0000
PROM, EE	1	0.01000	2.0	0.0200
RECTIFIER, POWER	6	0.00280	8.0	0.1344
RESISTOR NETWORK, FILM	24	0.00230	3.0	0.1656
RESISTOR, METAL FILM	99	0.00120	3.0	0.3564
RESISTOR, WW POWER	1	0.01400	3.0	0.0420
SOLDERED CONNECTIONS	2285	0.00007	1.0	0.1577
SWITCH	2	0.00100	8.4	0.0168
THERMISTOR	1	0.06500	3.0	0.1950
TRANSFORMER, FLYBACK	1	0.02300	3.0	0.0690
TRANSIENT VOLTAGE SUPPRESSOR	4	0.00290	5.5	0.0638
TRANSISTORS, BIPOLAR	3	0.00015	5.5	0.0025
			TOTAL	4.6595
			MTBF (HOURS)	214616
			MTBF (YRS)	24.50

MODEL AEP-090-18 MTBF				
P/N 00-00778-000				
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	7	0.00012	3.0	0.0025
CAPACITOR, CERAMIC	132	0.00099	3.0	0.3920
CAPACITOR, METALLIZED FILM	2	0.00290	3.0	0.0174
CONNECTOR	4	0.00540	2.0	0.0432
DIODE, LIGHT EMITTING	1	0.00047	8.0	0.0038
DIODE, SCHOTTKY	3	0.00300	2.4	0.0216
DIODE, SWITCHING	17	0.00094	5.5	0.0879
DIODE, ZENER	10	0.00330	5.5	0.1815
FET, SILICON	10	0.01400	8.0	1.1200
IC, BIPOLAR LINEAR	6	0.00950	2.0	0.1140
IC, DIGITAL CMOS	23	0.00570	3.1	0.4064
INDUCTORS	7	0.00170	4.0	0.0476
OPTOCOUPLER/ISOLATOR	4	0.02700	8.0	0.8640
OSCILLATOR, CRYSTAL	2	0.03200	2.1	0.1344
PCB	1	0.00002	1.0	0.0000
PROM, EE	1	0.01000	2.0	0.0200
RECTIFIER, POWER	6	0.00280	8.0	0.1344
RESISTOR NETWORK, FILM	24	0.00230	3.0	0.1656
RESISTOR, METAL FILM	99	0.00120	3.0	0.3564
RESISTOR, WW POWER	1	0.01400	3.0	0.0420
SOLDERED CONNECTIONS	2285	0.00007	1.0	0.1577
SWITCH	2	0.00100	8.4	0.0168
THERMISTOR	1	0.06500	3.0	0.1950
TRANSFORMER, FLYBACK	1	0.02300	3.0	0.0690
TRANSIENT VOLTAGE SUPPRESSOR	4	0.00290	5.5	0.0638
TRANSISTORS, BIPOLAR	3	0.00015	5.5	0.0025
			TOTAL	4.6595
			MTBF (HOURS)	214616
			MTBF (YRS)	24.50

MODEL AEP-090-36 MTBF				
P/N 00-00779-000				
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	7	0.00012	3.0	0.0025
CAPACITOR, CERAMIC	132	0.00099	3.0	0.3920
CAPACITOR, METALLIZED FILM	2	0.00290	3.0	0.0174
CONNECTOR	4	0.00540	2.0	0.0432
DIODE, LIGHT EMITTING	1	0.00047	8.0	0.0038
DIODE, SCHOTTKY	3	0.00300	2.4	0.0216
DIODE, SWITCHING	17	0.00094	5.5	0.0879
DIODE, ZENER	10	0.00330	5.5	0.1815
FET, SILICON	10	0.01400	8.0	1.1200
IC, BIPOLAR LINEAR	6	0.00950	2.0	0.1140
IC, DIGITAL CMOS	23	0.00570	3.1	0.4064
INDUCTORS	7	0.00170	4.0	0.0476
OPTOCOUPLER/ISOLATOR	4	0.02700	8.0	0.8640
OSCILLATOR, CRYSTAL	2	0.03200	2.1	0.1344
PCB	1	0.00002	1.0	0.0000
PROM, EE	1	0.01000	2.0	0.0200
RECTIFIER, POWER	6	0.00280	8.0	0.1344
RESISTOR NETWORK, FILM	24	0.00230	3.0	0.1656
RESISTOR, METAL FILM	98	0.00120	3.0	0.3528
RESISTOR, WW POWER	1	0.01400	3.0	0.0420
SOLDERED CONNECTIONS	2283	0.00007	1.0	0.1575
SWITCH	2	0.00100	8.4	0.0168
THERMISTOR	1	0.06500	3.0	0.1950
TRANSFORMER, FLYBACK	1	0.02300	3.0	0.0690
TRANSIENT VOLTAGE SUPPRESSOR	4	0.00290	5.5	0.0638
TRANSISTORS, BIPOLAR	3	0.00015	5.5	0.0025
			TOTAL	4.6557
			MTBF (HOURS)	214789
			MTBF (YRS)	24.52

MODEL AEP-180-09 MTBF				
P/N 00-00992-000				
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	7	0.00012	3.0	0.0025
CAPACITOR, CERAMIC	132	0.00099	3.0	0.3920
CAPACITOR, METALLIZED FILM	2	0.00290	3.0	0.0174
CONNECTOR	4	0.00540	2.0	0.0432
DIODE, LIGHT EMITTING	1	0.00047	8.0	0.0038
DIODE, SCHOTTKY	3	0.00300	2.4	0.0216
DIODE, SWITCHING	17	0.00094	5.5	0.0879
DIODE, ZENER	10	0.00330	5.5	0.1815
FET, SILICON	10	0.01400	8.0	1.1200
IC, BIPOLAR LINEAR	6	0.00950	2.0	0.1140
IC, DIGITAL CMOS	23	0.00570	3.1	0.4064
INDUCTORS	7	0.00170	4.0	0.0476
OPTOCOUPLER/ISOLATOR	4	0.02700	8.0	0.8640
OSCILLATOR, CRYSTAL	2	0.03200	2.1	0.1344
PCB	1	0.00002	1.0	0.0000
PROM, EE	1	0.01000	2.0	0.0200
RECTIFIER, POWER	6	0.00280	8.0	0.1344
RESISTOR NETWORK, FILM	24	0.00230	3.0	0.1656
RESISTOR, METAL FILM	99	0.00120	3.0	0.3564
RESISTOR, WW POWER	1	0.01400	3.0	0.0420
SOLDERED CONNECTIONS	2285	0.00007	1.0	0.1577
SWITCH	2	0.00100	8.4	0.0168
THERMISTOR	1	0.06500	3.0	0.1950
TRANSFORMER, FLYBACK	1	0.02300	3.0	0.0690
TRANSIENT VOLTAGE SUPPRESSOR	4	0.00290	5.5	0.0638
TRANSISTORS, BIPOLAR	3	0.00015	5.5	0.0025
			TOTAL	4.6595
			MTBF (HOURS)	214616
			MTBF (YRS)	24.50

MODEL AEP-180-18 MTBF				
P/N 00-00991-000				
MTBF CALCULATION PER MIL-HDBK-217F PARTS COUNT RELIABILITY PREDICTION METHOD				
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CAPACITOR, CERAMIC	132	0.00099	3.0	0.3920
CAPACITOR, METALLIZED FILM	2	0.00290	3.0	0.0174
CONNECTOR	4	0.00540	2.0	0.0432
DIODE, LIGHT EMITTING	1	0.00047	8.0	0.0038
DIODE, SCHOTTKY	3	0.00300	2.4	0.0216
DIODE, SWITCHING	17	0.00094	5.5	0.0879
DIODE, ZENER	10	0.00330	5.5	0.1815
FET, SILICON	10	0.01400	8.0	1.1200
IC, BIPOLAR LINEAR	6	0.00950	2.0	0.1140
IC, DIGITAL CMOS	23	0.00570	3.1	0.4064
INDUCTORS	7	0.00170	4.0	0.0476
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OSCILLATOR, CRYSTAL	2	0.03200	2.1	0.1344
PCB	1	0.00002	1.0	0.0000
PROM, EE	1	0.01000	2.0	0.0200
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RESISTOR, METAL FILM	99	0.00120	3.0	0.3564
RESISTOR, WW POWER	1	0.01400	3.0	0.0420
SOLDERED CONNECTIONS	2285	0.00007	1.0	0.1577
SWITCH	2	0.00100	8.4	0.0168
THERMISTOR	1	0.06500	3.0	0.1950
TRANSFORMER, FLYBACK	1	0.02300	3.0	0.0690
TRANSIENT VOLTAGE SUPPRESSOR	4	0.00290	5.5	0.0638
TRANSISTORS, BIPOLAR	3	0.00015	5.5	0.0025
			TOTAL	4.6595
			MTBF (HOURS)	214616
			MTBF (YRS)	24.50