

MODEL AMP-055-18 ROHS MTBF				
P/N 00-00895-000				
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	0.02400	3.0	0.5040
CAPACITOR, CERAMIC	129	0.00360	3.0	1.3932
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	0.04700	2.5	0.3525
DIODE, SWITCHING	17	0.00094	5.5	0.0879
DIODE, ZENER	3	0.00330	5.5	0.0545
FET, SILICON	10	0.01400	8.0	1.1200
IC, BIPOLAR LINEAR	2	0.00950	2.0	0.0380
IC, DIGITAL CMOS	45	0.00570	3.1	0.7952
IC, REGULATOR	1	0.00950	8.0	0.0760
INDUCTORS	10	0.00170	4.0	0.0680
OSCILLATOR, CRYSTAL	2	0.03200	2.1	0.1344
PCB	1	0.00004	2.0	0.0001
PROM, EE	2	0.01000	2.0	0.0400
RECTIFIER, POWER	7	0.00280	8.0	0.1568
RESISTOR NETWORK, FILM	25	0.00230	3.0	0.1725
RESISTOR, METAL FILM	94	0.00120	3.0	0.3384
RESISTOR, WW POWER	1	0.01400	3.0	0.0420
SOLDERED CONNECTIONS	754	0.00007	1.0	0.0528
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	5.8376
			MTBF (HOURS)	171304
			MTBF (YRS)	19.56

MODEL AMP-090-09 ROHS MTBF				
P/N 00-00781-000				
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	0.02400	3.0	0.5040
CAPACITOR, CERAMIC	129	0.00360	3.0	1.3932
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	0.04700	2.5	0.3525
DIODE, SWITCHING	17	0.00094	5.5	0.0879
DIODE, ZENER	3	0.00330	5.5	0.0545
FET, SILICON	10	0.01400	8.0	1.1200
IC, BIPOLAR LINEAR	2	0.00950	2.0	0.0380
IC, DIGITAL CMOS	45	0.00570	3.1	0.7952
IC, REGULATOR	1	0.00950	8.0	0.0760
INDUCTORS	10	0.00170	4.0	0.0680
OSCILLATOR, CRYSTAL	2	0.03200	2.1	0.1344
PCB	1	0.00004	2.0	0.0001
PROM, EE	2	0.01000	2.0	0.0400
RECTIFIER, POWER	7	0.00280	8.0	0.1568
RESISTOR NETWORK, FILM	25	0.00230	3.0	0.1725
RESISTOR, METAL FILM	94	0.00120	3.0	0.3384
RESISTOR, WW POWER	1	0.01400	3.0	0.0420
SOLDERED CONNECTIONS	754	0.00007	1.0	0.0528
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	5.8376
			MTBF (HOURS)	171304
			MTBF (YRS)	19.56

MODEL AMP-090-18 ROHS MTBF				
P/N 00-00780-000				
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	0.02400	3.0	0.5040
CAPACITOR, CERAMIC	129	0.00360	3.0	1.3932
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	0.04700	2.5	0.3525
DIODE, SWITCHING	17	0.00094	5.5	0.0879
DIODE, ZENER	3	0.00330	5.5	0.0545
FET, SILICON	10	0.01400	8.0	1.1200
IC, BIPOLAR LINEAR	2	0.00950	2.0	0.0380
IC, DIGITAL CMOS	45	0.00570	3.1	0.7952
IC, REGULATOR	1	0.00950	8.0	0.0760
INDUCTORS	10	0.00170	4.0	0.0680
OSCILLATOR, CRYSTAL	2	0.03200	2.1	0.1344
PCB	1	0.00004	2.0	0.0001
PROM, EE	2	0.01000	2.0	0.0400
RECTIFIER, POWER	7	0.00280	8.0	0.1568
RESISTOR NETWORK, FILM	25	0.00230	3.0	0.1725
RESISTOR, METAL FILM	94	0.00120	3.0	0.3384
RESISTOR, WW POWER	1	0.01400	3.0	0.0420
SOLDERED CONNECTIONS	754	0.00007	1.0	0.0528
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	5.8376
			MTBF (HOURS)	171304
			MTBF (YRS)	19.56

MODEL AMP-090-36 ROHS MTBF				
P/N 00-00894-000				
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	0.02400	3.0	0.5040
CAPACITOR, CERAMIC	129	0.00360	3.0	1.3932
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	0.04700	2.5	0.3525
DIODE, SWITCHING	17	0.00094	5.5	0.0879
DIODE, ZENER	3	0.00330	5.5	0.0545
FET, SILICON	10	0.01400	8.0	1.1200
IC, BIPOLAR LINEAR	2	0.00950	2.0	0.0380
IC, DIGITAL CMOS	45	0.00570	3.1	0.7952
IC, REGULATOR	1	0.00950	8.0	0.0760
INDUCTORS	10	0.00170	4.0	0.0680
OSCILLATOR, CRYSTAL	2	0.03200	2.1	0.1344
PCB	1	0.00004	2.0	0.0001
PROM, EE	2	0.01000	2.0	0.0400
RECTIFIER, POWER	7	0.00280	8.0	0.1568
RESISTOR NETWORK, FILM	25	0.00230	3.0	0.1725
RESISTOR, METAL FILM	94	0.00120	3.0	0.3384
RESISTOR, WW POWER	1	0.01400	3.0	0.0420
SOLDERED CONNECTIONS	754	0.00007	1.0	0.0528
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	5.8376
			MTBF (HOURS)	171304
			MTBF (YRS)	19.56

MODEL AMP-180-09 ROHS MTBF				
P/N 00-00896-000				
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	0.02400	3.0	0.5040
CAPACITOR, CERAMIC	129	0.00360	3.0	1.3932
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	0.04700	2.5	0.3525
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OSCILLATOR, CRYSTAL	2	0.03200	2.1	0.1344
PCB	1	0.00004	2.0	0.0001
PROM, EE	2	0.01000	2.0	0.0400
RECTIFIER, POWER	7	0.00280	8.0	0.1568
RESISTOR NETWORK, FILM	25	0.00230	3.0	0.1725
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			TOTAL	5.8376
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MODEL AMP-180-18 ROHS MTBF				
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