

<b>MODEL AMP-055-18 ROHS MTBF</b>				
<b>P/N 00-00895-000</b>				
<b>MTBF CALCULATION PER MIL-HDBK-217F PARTS COUNT RELIABILITY PREDICTION METHOD</b>				
<b>ITEM</b>	<b>QUANTITY</b>	<b>FAILURE RATE</b>	<b>QUALITY</b>	<b>TOTAL FAILURE RATE</b>
		<b>PER 10<sup>6</sup> HOURS</b>	<b>FACTOR</b>	<b>PER 10<sup>6</sup> HOURS</b>
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
			<b>TOTAL</b>	<b>5.8376</b>
			<b>MTBF (HOURS)</b>	<b>171304</b>
			<b>MTBF (YRS)</b>	<b>19.56</b>

<b>MODEL AMP-090-09 ROHS MTBF</b>				
<b>P/N 00-00781-000</b>				
<b>MTBF CALCULATION PER MIL-HDBK-217F PARTS COUNT RELIABILITY PREDICTION METHOD</b>				
<b>ITEM</b>	<b>QUANTITY</b>	<b>FAILURE RATE PER 10<sup>6</sup> HOURS</b>	<b>QUALITY FACTOR</b>	<b>TOTAL FAILURE RATE PER 10<sup>6</sup> HOURS</b>
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
			<b>TOTAL</b>	<b>5.8376</b>
			<b>MTBF (HOURS)</b>	<b>171304</b>
			<b>MTBF (YRS)</b>	<b>19.56</b>

<b>MODEL AMP-090-18 ROHS MTBF</b>				
<b>P/N 00-00780-000</b>				
<b>MTBF CALCULATION PER MIL-HDBK-217F PARTS COUNT RELIABILITY PREDICTION METHOD</b>				
<b>ITEM</b>	<b>QUANTITY</b>	<b>FAILURE RATE PER 10<sup>6</sup> HOURS</b>	<b>QUALITY FACTOR</b>	<b>TOTAL FAILURE RATE PER 10<sup>6</sup> HOURS</b>
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
			<b>TOTAL</b>	<b>5.8376</b>
			<b>MTBF (HOURS)</b>	<b>171304</b>
			<b>MTBF (YRS)</b>	<b>19.56</b>

<b>MODEL AMP-090-36 ROHS MTBF</b>				
<b>P/N 00-00894-000</b>				
<b>MTBF CALCULATION PER MIL-HDBK-217F PARTS COUNT RELIABILITY PREDICTION METHOD</b>				
<b>ITEM</b>	<b>QUANTITY</b>	<b>FAILURE RATE PER 10<sup>6</sup> HOURS</b>	<b>QUALITY FACTOR</b>	<b>TOTAL FAILURE RATE PER 10<sup>6</sup> HOURS</b>
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
			<b>TOTAL</b>	<b>5.8376</b>
			<b>MTBF (HOURS)</b>	<b>171304</b>
			<b>MTBF (YRS)</b>	<b>19.56</b>

<b>MODEL AMP-180-09 ROHS MTBF</b>				
<b>P/N 00-00896-000</b>				
<b>MTBF CALCULATION PER MIL-HDBK-217F PARTS COUNT RELIABILITY PREDICTION METHOD</b>				
<b>ITEM</b>	<b>QUANTITY</b>	<b>FAILURE RATE PER 10<sup>6</sup> HOURS</b>	<b>QUALITY FACTOR</b>	<b>TOTAL FAILURE RATE PER 10<sup>6</sup> HOURS</b>
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
			<b>TOTAL</b>	<b>5.8376</b>
			<b>MTBF (HOURS)</b>	<b>171304</b>
			<b>MTBF (YRS)</b>	<b>19.56</b>

<b>MODEL AMP-180-18 ROHS MTBF</b>				
<b>P/N 00-00897-000</b>				
<b>MTBF CALCULATION PER MIL-HDBK-217F PARTS COUNT RELIABILITY PREDICTION METHOD</b>				
<b>ITEM</b>	<b>QUANTITY</b>	<b>FAILURE RATE PER 10<sup>6</sup> HOURS</b>	<b>QUALITY FACTOR</b>	<b>TOTAL FAILURE RATE PER 10<sup>6</sup> HOURS</b>
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
			<b>TOTAL</b>	<b>5.8376</b>
			<b>MTBF (HOURS)</b>	<b>171304</b>
			<b>MTBF (YRS)</b>	<b>19.56</b>