

MODEL R23-055-06 ROHS MTBF				
P/N 05-01156-000				
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	4	0.02400	3.0	0.2880
CAPACITOR, CERAMIC	59	0.00360	3.0	0.6372
CONNECTOR	1	0.00540	2.0	0.0108
DIODE, SCHOTTKY	7	0.04700	2.5	0.8225
DIODE, SWITCHING	8	0.00094	5.5	0.0414
DIODE, ZENER	3	0.00330	5.5	0.0545
FET, SILICON	10	0.01400	8.0	1.1200
IC, BIPOLAR LINEAR	5	0.00950	2.0	0.0950
IC, DIGITAL CMOS	16	0.00570	3.1	0.2827
IC, REGULATOR	2	0.00950	8.0	0.1520
INDUCTORS	1	0.00170	4.0	0.0068
OSCILLATOR, CRYSTAL	1	0.03200	2.1	0.0672
PCB	2	0.00004	2.0	0.0002
RECTIFIER, POWER	3	0.00280	8.0	0.0672
RESISTOR NETWORK, FILM	17	0.00230	3.0	0.1173
RESISTOR, METAL FILM	49	0.00120	3.0	0.1764
RESISTOR, METAL FILM, PWR	3	0.01200	3.0	0.1080
RESISTOR, WW POWER	1	0.01400	3.0	0.0420
SOLDERED CONNECTIONS	394	0.00007	1.0	0.0276
THERMISTOR	1	0.06500	3.0	0.1950
TRANSFORMER, FLYBACK	1	0.02300	3.0	0.0690
TRANSIENT VOLTAGE SUPPRESSOR	1	0.00290	5.5	0.0160
TRANSISTORS, BIPOLAR	2	0.00015	5.5	0.0017
			TOTAL	4.3983
			MTBF (HOURS)	227362
			MTBF (YRS)	25.95

MODEL R23-090-04 ROHS MTBF				
P/N 05-01157-000				
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	4	0.02400	3.0	0.2880
CAPACITOR, CERAMIC	59	0.00360	3.0	0.6372
CONNECTOR	1	0.00540	2.0	0.0108
DIODE, SCHOTTKY	7	0.04700	2.5	0.8225
DIODE, SWITCHING	8	0.00094	5.5	0.0414
DIODE, ZENER	3	0.00330	5.5	0.0545
FET, SILICON	10	0.01400	8.0	1.1200
IC, BIPOLAR LINEAR	5	0.00950	2.0	0.0950
IC, DIGITAL CMOS	16	0.00570	3.1	0.2827
IC, REGULATOR	2	0.00950	8.0	0.1520
INDUCTORS	1	0.00170	4.0	0.0068
OSCILLATOR, CRYSTAL	1	0.03200	2.1	0.0672
PCB	2	0.00004	2.0	0.0002
RECTIFIER, POWER	3	0.00280	8.0	0.0672
RESISTOR NETWORK, FILM	17	0.00230	3.0	0.1173
RESISTOR, METAL FILM	49	0.00120	3.0	0.1764
RESISTOR, METAL FILM, PWR	3	0.01200	3.0	0.1080
RESISTOR, WW POWER	1	0.01400	3.0	0.0420
SOLDERED CONNECTIONS	394	0.00007	1.0	0.0276
THERMISTOR	1	0.06500	3.0	0.1950
TRANSFORMER, FLYBACK	1	0.02300	3.0	0.0690
TRANSIENT VOLTAGE SUPPRESSOR	1	0.00290	5.5	0.0160
TRANSISTORS, BIPOLAR	2	0.00015	5.5	0.0017
			TOTAL	4.3983
			MTBF (HOURS)	227362
			MTBF (YRS)	25.95