

Accelus Panel Amp Model ASP-xxx-xx MTBF				
PCB Assembly 02-00950-000				
MTBF CALCULATION PER MIL-HDBK-217F PARTS COUNT RELIABILITY PREDICTION METHOD				
ITEM	QUANTITY	FAILURE RATE PER 10 ⁶ HOURS	QUALITY FACTOR	TOTAL FAILURE RATE PER 10 ⁶ HOURS
CAPACITOR, ELECTROLYTIC	10	0.02400	3.0	0.7200
CAPACITOR, CERAMIC	62	0.00360	3.0	0.6696
CAPACITOR, PLASTIC FILM	3	0.00230	3.0	0.0207
CONNECTOR	3	0.00540	2.0	0.0324
DIODE, GENERAL PURPOSE	17	0.00360	5.5	0.3366
DIODE, LIGHT EMITTING	2	0.00047	8.0	0.0075
DIODE, ZENER	1	0.00330	5.5	0.0182
FET	9	0.01400	8.0	1.0080
IC, BIPOLAR LINEAR	16	0.00950	2.0	0.3040
IC, REGULATOR	2	0.00950	8.0	0.1520
INDUCTOR, MOLDED	1	0.00170	4.0	0.0068
OSCILLATOR, CRYSTAL	1	0.03200	2.1	0.0672
PROM, EE	1	0.01000	2.0	0.0200
RECTIFIER, POWER	4	0.00280	8.0	0.0896
RESISTOR NETWORK, FILM	19	0.00230	3.0	0.1311
RESISTOR, METAL FILM	52	0.00120	3.0	0.1872
RESISTOR, WW POWER	1	0.01400	3.0	0.0420
SOLDERED CONNECTIONS	418	0.00007	1.0	0.0293
THERMISTOR	1	0.06500	3.0	0.1950
TRANSFORMER	1	0.02300	3.0	0.0690
TRANSIENT VOLTAGE SUPPRESSOR	1	0.00290	5.5	0.0160
TRANSISTOR, BIPOLAR	2	0.00015	5.5	0.0017
			TOTAL	4.1237
			MTBF (HOURS)	242499
			MTBF (YEARS)	27.68