

POWER SUPPLY LOAD TEST

MAKE: MOTOROLA **MODEL:** TPN-1144A? **DATE:** 3-Nov-13

CONT. RATING: UNK **INT. RATING:** 25A **SERIAL:** NONE

AC MAINS FUSE: 8A FB **REMARKS:** USED IN MICOM L70MLG1180AM RADIO

LOAD AMPS	OUTPUT VOLTS	OUTPUT WATTS	AC INPUT VOLTS	AC INPUT AMPS	AC INPUT WATTS	AC INPUT VA	AC INPUT PF	OVERALL EFFICIENCY
0.0	14.00	0.0	123.2	0.17	13	21	0.62	0%
1.0	13.99	14.0	123.2	0.47	38	58	0.66	37%
2.0	13.98	28.0	123.2	0.79	62	97	0.64	45%
3.0	13.97	41.9	123.1	1.11	87	137	0.64	48%
4.0	13.97	55.9	123.1	1.39	112	171	0.65	50%
5.0	13.96	69.8	123.0	1.68	136	207	0.66	51%
6.0	13.95	83.7	122.9	1.95	160	240	0.67	52%
7.0	13.94	97.6	122.9	2.22	184	273	0.67	53%
8.0	13.93	111.4	122.8	2.48	208	305	0.68	54%
9.0	13.92	125.3	122.7	2.75	231	337	0.68	54%
10.0	13.91	139.1	122.7	2.98	255	366	0.70	55%
11.0	13.90	152.9	122.6	3.24	278	397	0.70	55%
12.0	13.89	166.7	122.4	3.46	302	424	0.71	55%
13.0	13.89	180.6	122.3	3.70	325	453	0.72	56%
14.0	13.88	194.3	122.3	3.93	347	481	0.72	56%
15.0	13.87	208.1	122.2	4.15	371	507	0.73	56%
16.0	13.86	221.8	122.2	4.36	393	533	0.74	56%
17.0	13.85	235.5	122.1	4.53	416	553	0.75	57%
18.0	13.84	249.1	121.9	4.74	437	578	0.76	57%
19.0	13.83	262.8	121.9	4.95	461	603	0.76	57%
20.0	13.82	276.4	121.8	5.14	485	626	0.77	57%
21.0	13.79	289.6	121.6	5.45	511	663	0.77	57%
22.0	13.78	303.2	121.9	5.65	535	689	0.78	57%
23.0	13.77	316.7	121.7	5.79	557	705	0.79	57%
24.0	13.75	330.0	121.7	5.87	580	714	0.81	57%
25.0	13.72	343.0	121.6	5.97	603	726	0.83	57%
26.0	13.70	356.2	121.6	6.08	626	739	0.85	57%
27.0	13.58	366.7	121.6	6.25	652	760	0.86	56%
28.0	13.29	372.1	121.5	6.42	674	780	0.86	55%
29.0	13.00	377.0	121.4	6.58	693	799	0.87	54%
30.0	12.73	381.9	121.1	6.75	714	817	0.87	53%
31.0	12.46	386.3	121.1	6.92	734	838	0.88	53%
32.0	12.19	390.1	120.9	7.08	756	856	0.88	52%
33.0	11.91	393.0	120.8	7.24	776	875	0.89	51%
34.0	11.67	396.8	120.8	7.42	798	896	0.89	50%
35.0	11.39	398.7	120.8	7.57	819	914	0.90	49%

Note: Loads above 34 amperes will exceed the ratings of the emitter ballast resistors.

Note: Loads above 35 amperes will exceed the rating of the AC input fuse.

Note: This test used four paired #10 AWG wires, 14 inches long each, to connect the UUT to the load.

Note: The TPN1144A Power Supply appears identical to the UUT, but has a circular DC connector.