

POWER SUPPLY LOAD TEST

MAKE: MOTOROLA **MODEL:** TPN1154A **DATE:** 28-Jul-12
CONT. RATING: UNK **INT. RATING:** UNK **SERIAL:** WA1MIK Custom Run 3
AC MAINS FUSE: 5A FB **REMARKS:** SEE NOTES 1-3 BELOW

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	13.82	0.0	120.5	0.16	8	19	0.41	0%
1.0	13.78	13.8	120.2	0.43	34	52	0.66	41%
2.0	13.74	27.5	120.2	0.73	59	88	0.67	47%
3.0	13.72	41.2	120.0	1.01	84	121	0.69	49%
4.0	13.69	54.8	120.0	1.27	109	152	0.72	50%
5.0	13.67	68.4	119.8	1.53	133	183	0.73	51%
6.0	13.64	81.8	119.6	1.77	158	212	0.75	52%
7.0	13.62	95.3	119.4	2.01	182	240	0.76	52%
8.0	13.59	108.7	119.3	2.25	206	268	0.77	53%
9.0	13.56	122.0	119.1	2.48	230	295	0.78	53%
10.0	13.54	135.4	119.0	2.71	253	322	0.78	54%
11.0	13.51	148.6	119.0	2.92	277	347	0.80	54%
12.0	13.48	161.8	119.1	3.17	301	378	0.80	54%
13.0	13.45	174.9	118.9	3.38	325	402	0.81	54%
14.0	13.42	187.9	118.8	3.59	348	426	0.82	54%
15.0	13.39	200.9	118.7	3.79	371	450	0.82	54%
16.0	13.36	213.8	118.6	4.01	395	476	0.83	54%
17.0	13.33	226.6	118.6	4.21	417	499	0.84	54%
18.0	13.30	239.4	118.4	4.41	440	522	0.84	54%
19.0	13.25	251.8	118.2	4.61	462	545	0.85	54%
20.0	13.19	263.8	118.2	4.84	484	572	0.85	55%

NOTE 1: THIS PARTICULAR UNIT INCORPORATES A CUSTOM-DESIGNED REGULATOR CIRCUIT

NOTE 2: THE LOAD TEST WAS HALTED AT 20 AMPS LOAD TO AVOID BLOWING THE AC MAINS FUSE.

NOTE 3: THIS LOAD TEST WAS PERFORMED AFTER ADDING A 0.47 uF 35 V TANTALUM CAPACITOR.