

Test Procedure for and8076 (NCP120X – 19 V, 3.6 A demoboard)

ON Semiconductor®



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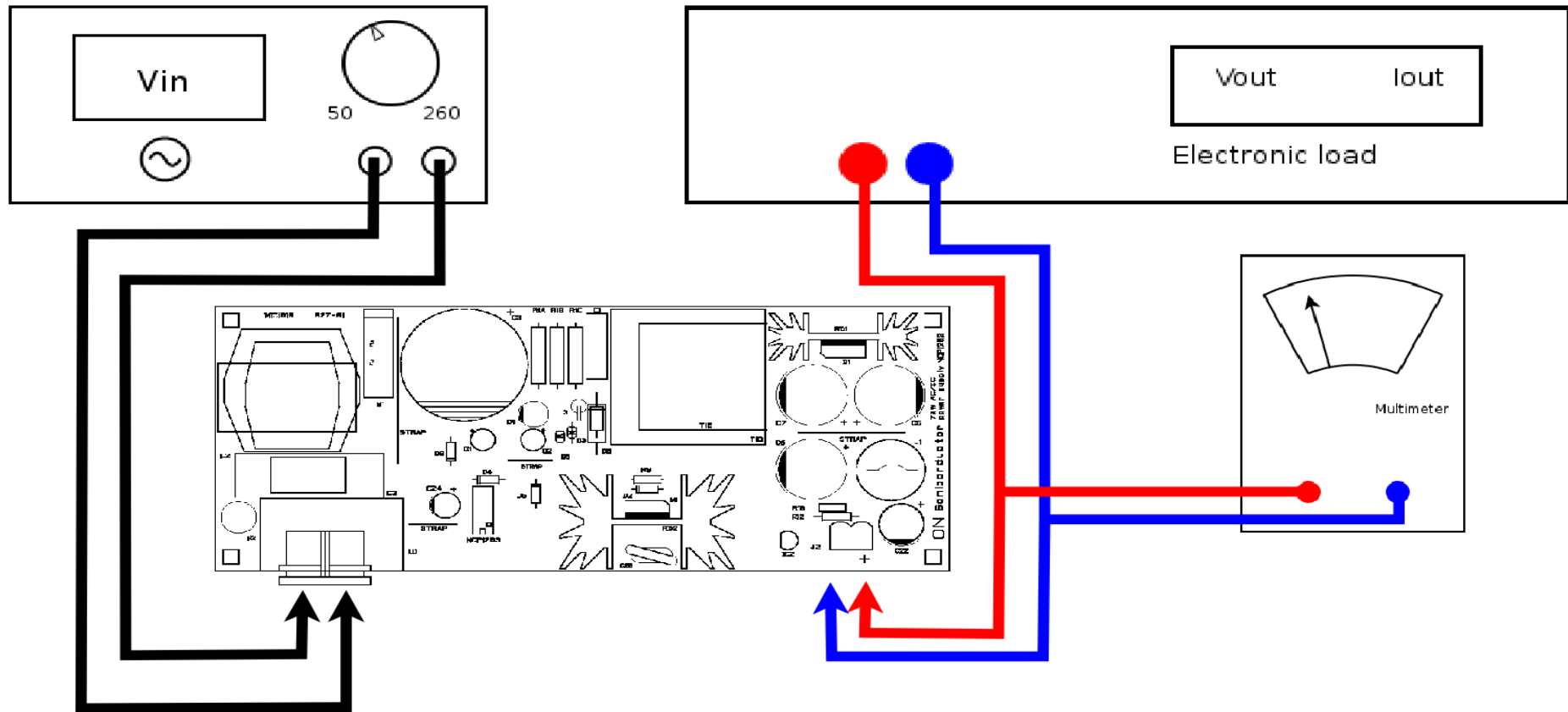


Table 1: Required Equipment

ac power supply, 85 – 265 Vac, 1 A	Yokogawa power meter WT210	Multimeter
Electronic load, 19 V up to 4 A		

Test Procedure:

- 1. Connect the test setup as shown above.**
- 2. Apply an input voltage, $85 \text{ Vac} < V_{in} < 265 \text{ Vac}$, 50 or 60 Hz**
- 3. Connect electronic load on output connector.**

Table 2: Desired Results

	Measurements	Conditions	Results	Comments
1	Output voltage	$V_{in}=100 \text{ Vac}$ no load	$V_{out} = 19 \text{ V} \pm 5\%$	
2	Input consumption at high line and no load	$V_{in}=230 \text{ Vac}$ no load	$P_{in} = 0.09 \text{ W} \pm 15\%$ $V_{out} = 19 \text{ V}$	No load measurement can fluctuate, run WT210 in average mode
3	Output voltage at high line and full load	$V_{in}=230 \text{ Vac}$ $I_{load}=3.6 \text{ A}$	$V_{out} = 19 \text{ V} \pm 5\%$	

4	Output voltage at low line and full load	Vin=85 Vac Iload=3.6 A	Vout = 19 V ± 5%	
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