

Supplemental Characteristics

	N8754A	N8755A	N8756A	N8757A	N8758A
Output response time					
Up-prog response time ¹⁰	30 ms	30 ms	30 ms	50 ms	50 ms
Down-prog response time Full-load ¹⁰	50 ms	80 ms	80 ms	80 ms	100 ms
Down-prog response time No-load ¹¹	700 ms	800 ms	900 ms	1000 ms	1200 ms
Command response time (add this to the output response time to obtain the total programming time)					
	100 ms (typical)	100 ms (typical)	100 ms (typical)	100 ms (typical)	100 ms (typical)
Remote sense compensation					
	2 V	5 V	5 V	5 V	5 V
Over-voltage protection					
Range	1-24 V	2-36 V	2-44 V	5-66 V	5-88 V
Output ripple and noise					
CC rms ¹²	1000 mA	460 mA	300 mA	150 mA	120 mA
Programming resolution					
Measurement resolution					
Voltage	2.4 mV	3.6 mV	4.8 mV	7.2 mV	9.6 mV
Current	30 mA	20.4 mA	15 mA	10.2 mA	7.8 mA
Front panel display accuracy (4 digits; ± 1 count)					
Voltage	100 mV	150 mV	200 mV	300 mV	400 mV
Current	1250 mA	850 mA	625 mA	425 mA	325 mA
Temperature stability (over 8 hours, after a 30 minute warm-up, with constant line, load, and temperature)					
Voltage	10 mV	15 mV	20 mV	30 mV	40 mV
Current	125 mA	85 mA	62.5 mA	42.5 mA	32.5 mA
Temperature coefficient (after a 30 minute warm-up)					
Voltage from rated output voltage	100 PPM/°C	100 PPM/°C	100 PPM/°C	100 PPM/°C	100 PPM/°C
Current from rated output current	100 PPM/°C	100 PPM/°C	100 PPM/°C	100 PPM/°C	100 PPM/°C

Notes:

10. From 10% to 90% or 90% to 10% of rated output voltage, with rated, resistive load.

11. From 90% to 10% of rated output voltage.

12. For 8 V - 15 V models the ripple is measured from 2 V to rated output voltage and rated output current. For other models, the ripple is measured at 10 - 100% of rated output voltage and rated output current.