



ITE & Medical Applications (Universal)

Rated 150W
Peak 220W
SNP-Z15 Series

THE RELIABLE SOURCE

Output Specifications:

MODEL NO.	OUTPUT RAIL	LOAD				VOLTAGE ACCURACY	RIPPLE NOISE	LINE REG.	LOAD REG.	EFFICIENCY TYPICAL
		MIN.	RATED	MAX.	PEAK					
SNP-Z151	+5V	0A	10A	13A	15A	+4.9V~+5.1V	1%	±0.5%	±3%	83%
	+12V	0A	7A	10A		+11.4V~+12.6V	1%	±0.5%	±3%	
	-12V	0A	0.5A			-11.4V~-12.6V	1%	±0.5%	±5%	
SNP-Z15E	+3.3V	0A	10A			+3.2V~+3.4V	50mV	±0.5%	±3%	81%
	+5V	0A	8A			+4.75V~+5.25V	1%	±0.5%	±3%	
	+12V	0A	3.5A			+11.4V~+12.6V	1%	±0.5%	±5%	
	-12V	0A	0.5A			-11.2V~-12.6V	1%	±0.5%	±5%	
SNP-Z153	+5V	0A	10A	13A	15A	+4.9V~+5.1V	1%	±0.5%	±3%	83%
	+12V	0A	7A	10A		+11.4V~+12.6V	1%	±0.5%	±3%	
SNP-Z156	+5V	0A	28A			+4.95V~+5.05V	1%	±0.5%	±1%	82%
SNP-Z157	+12V	0A	12A		17.5A	+11.8V~+12.2V	1%	±0.5%	±1.5%	84%
	+5V	0A	2A			+4.9V~+5.1V	1%	±0.5%	±1.5%	
SNP-Z157-1	+12V	0A	13A		17.5A	+11.8V~+12.2V	1%	±0.5%	±1.5%	85%
SNP-Z158	+15V	0A	9.6A		14A	+14.85V~+15.15V	1%	±0.5%	±1.5%	85%
	+5V	0A	2A			+4.9V~+5.1V	1%	±0.5%	±1.5%	
SNP-Z158-1	+15V	0A	10A		14A	+14.85V~+15.15V	1%	±0.5%	±1.5%	85%
SNP-Z159	+24V	0A	6A		8.8A	+23.76V~+24.24V	1%	±0.5%	±1.5%	86%
	+5V	0A	2A			+4.9V~+5.1V	1%	±0.5%	±1.5%	
SNP-Z159-1	+24V	0A	6.5A		8.8A	+23.76V~+24.24V	1%	±0.5%	±1.5%	86%
SNP-Z15T	+48V	0A	3.2A		4.6A	+47.6V~+48.4V	1%	±0.5%	±1%	88%
SNP-Z15F	+5V	0A	8A	12A	7A	+4.9V~+5.1V	1%	±0.5%	±3%	84%
	+24V	0A	3A	4A		+22.8V~+25.2V	100mV	±0.5%	±3%	
	+12V	0A	2A			+11.4V~+12.6V	100mV	±0.5%	±5%	
	-12V	0A	0.5A			-11.4V~-12.6V	100mV	±0.5%	±5%	

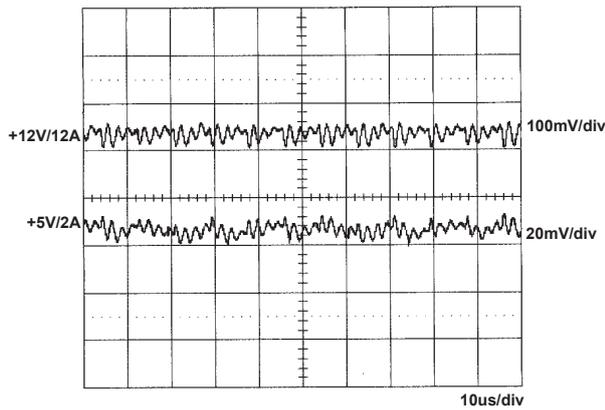
Note:

- Each output can last for 8 seconds without shut down.
- At factory, all outputs in 60% rated load condition, each output is checked to be within voltage accuracy range while the main output is setting to within the specified accuracy range at rated load.
- Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
- Load regulation is defined by changing ±40% of measured output load from 60% rated load at another output set to 60% rated load.
- Ripple & noise is measured by using 15MHz bandwidth limited oscilloscope and terminated each output with a 0.47uF capacitor at rated load and nominal line.
- Hold up time is measured from the end of the last charging pulse to the time which the main output drops down to low limit of main output at rated load and nominal line.
- Efficiency is measured at rated load and nominal line.

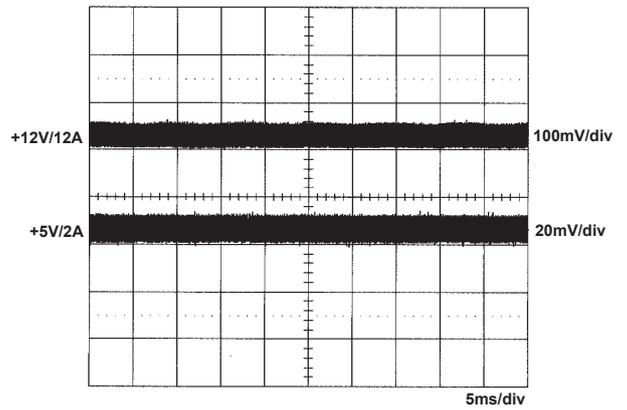
-Claus-

Performance for SNP-Z157:

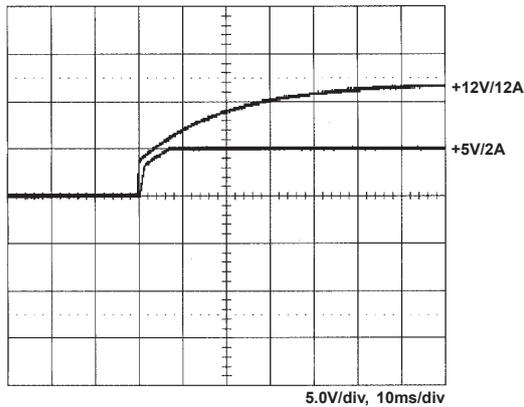
1. Switching frequency ripple



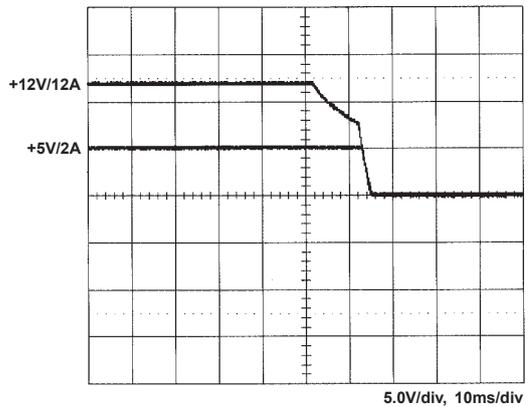
2. Line frequency ripple



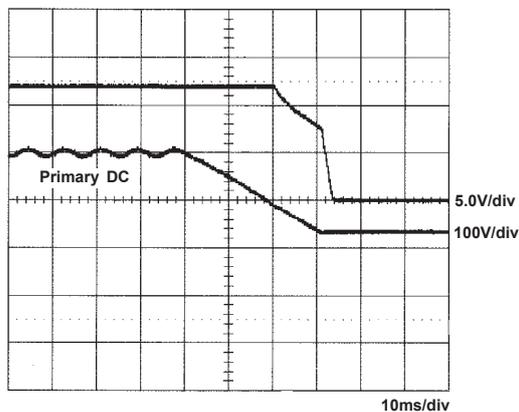
3. Output turn on wave form



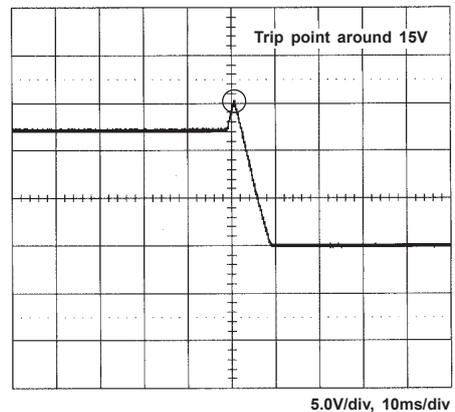
4. Output turn off wave form



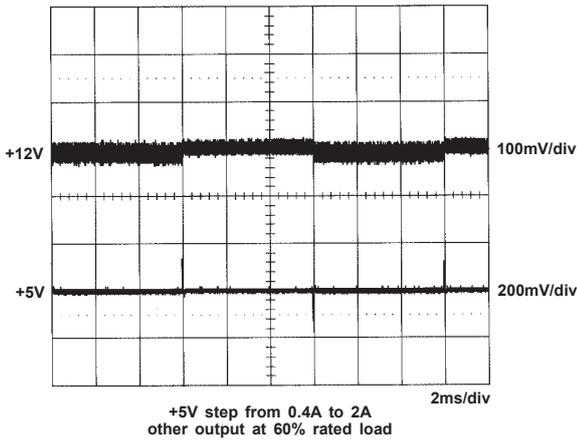
5. Hold-up time



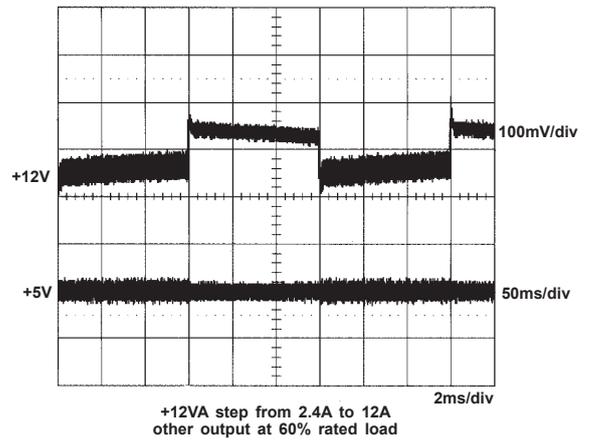
6. Over voltage protection



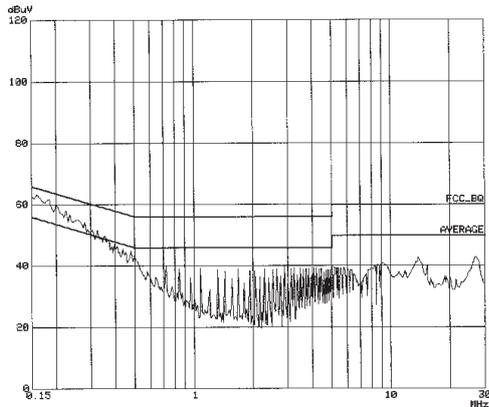
7. +5V step response



8. +12V step response



9. FCC B



10. EN 55022 B

