





THE RELIABLE SOURCE

# General Purpose (DC to DC)

80W  
DXX-808 Series

## Output Specifications:

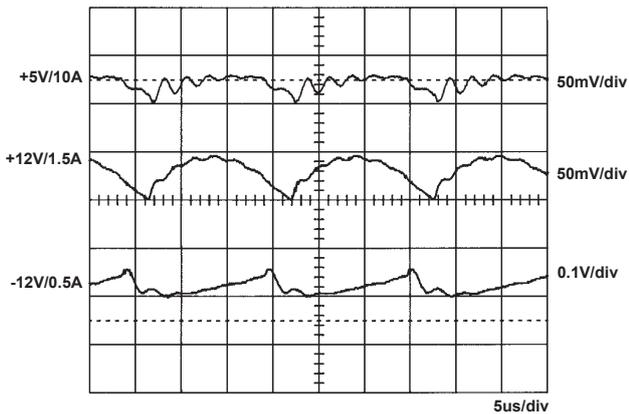
MODEL NO.	OUTPUT RAIL	LOAD			VOLTAGE ACCURACY	RIPPLE NOISE	LINE REG.	LOAD REG.
		MIN.	RATED	MAX.				
D36-8081	+5V	1A	10A	12A	+4.90~+5.05V	1%	±1%	±1%
	+12V	0A	1.5A	2A	+11.25~+12.75V	1%	±1%	±5%
	-12V	0A	0.5A		-11.25~-12.75V	1%	±1%	±10%
D12-8081	+5V	1A	10A	12A	+4.95~+5.05V	1%	±1%	±1%
	+12V	0A	1.5A	2A	+11.25~+12.75V	1%	±1%	±5%
	-12V	0A	0.5A		-11.25~-12.75V	1%	±1%	±10%

### Notes:

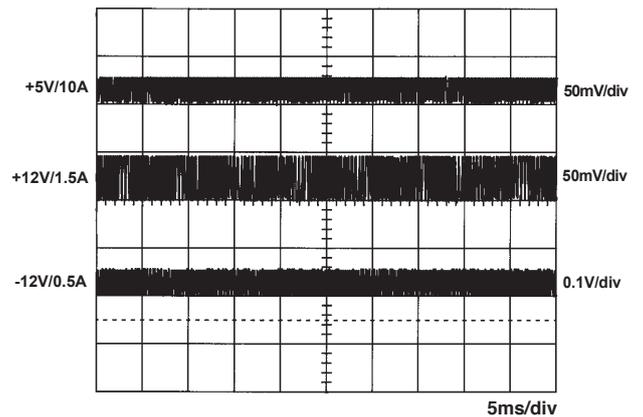
1. Each output can provide up to max. load separately. Continuous staying in more than total output power is not allowed.
2. At factory, in 60% rated load condition, each output is checked to be within voltage accuracy.
3. Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
4. Load regulation is defined by changing ±40% of measured output load from 60% rated load at another output set to 60% rated load.
5. 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.
6. 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.
7. Efficiency is measured at rated load and nominal line.

### Performance for D36-8081:

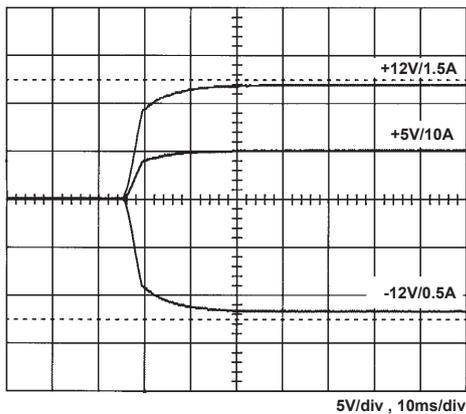
#### 1. Switching frequency ripple



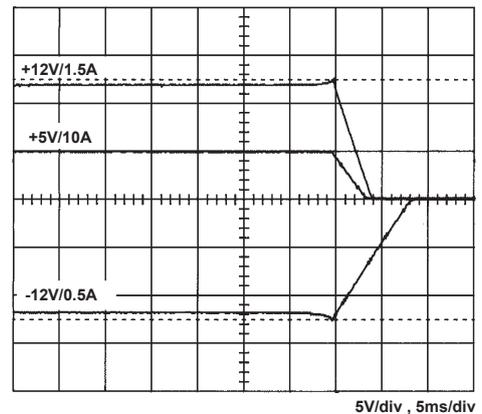
#### 2. Line frequency ripple



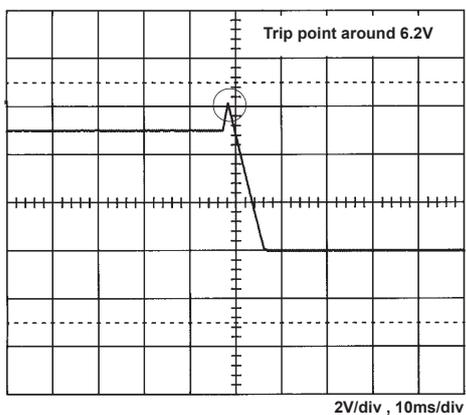
#### 3. Output turn on wave form



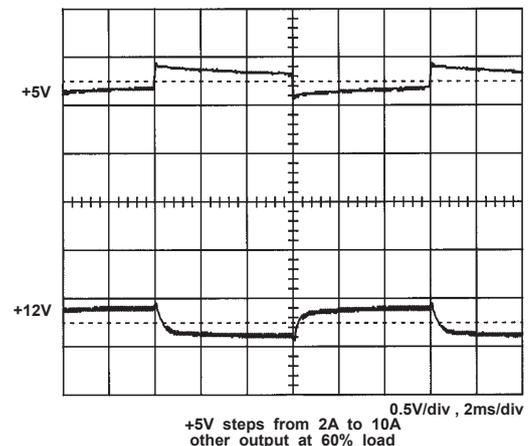
#### 4. Output turn off wave form



#### 5. Over voltage protection

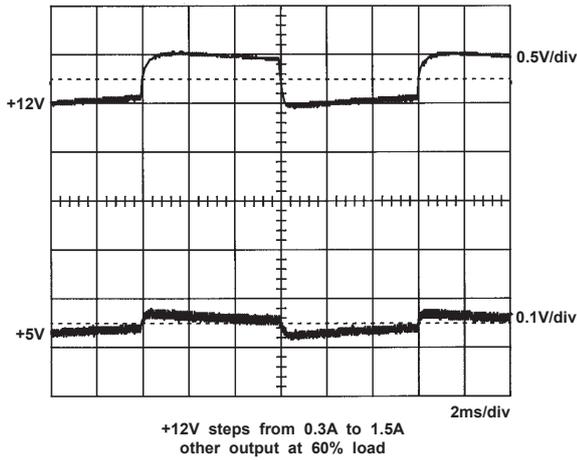


#### 6. +5V step response

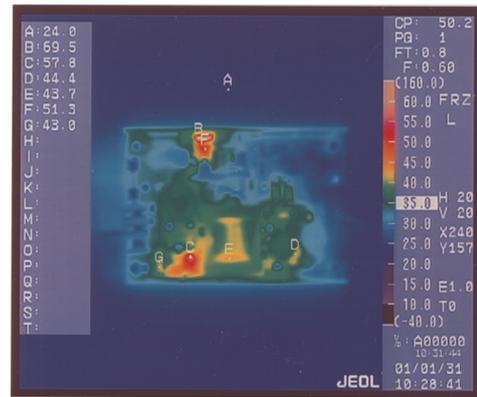


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7. +12V step response



8. Thermal profile



Test condition :  
Input : 48VDC  
Output : +5V/10A, +12V/1.5A, -12V/0.5A    Ambient : 24.0°C