

VOLTCRAFT

VOLTCRAFT - RELIABLE AND PRECISE. SINCE 1982.

For more than 40 years, our product range has been dynamically adapting to the constant changes in the industry. We commit to offering first-class quality to our customers while delivering an excellent cost-performance ratio. This philosophy remains the cornerstone of Voltcraft's success.

DSP-3008 F SINGLE CHANNEL OUTPUT DC POWER SUPPLY



Item no. 3376589

The product is a fanless single channel output, DC power supply

FEATURES

0 - 30 V / 0 - 8 A // 120 W // USB // Fanless



TECHNICAL DATA

Item	Value
Input Characteristics	
Supply Voltage	100 - 240 V/AC
Input Frequency	50 - 60 Hz
Full Input Current	≤3.6 A
No-Load Input Current	≤300 mA
Input Fuse	250 V, F5A
Rated Output	
Voltage	0 - 30 V
Current	0 - 8 A
Power	120 W
Efficiency(110Vac, rated load)	82%
Efficiency(220Vac, rated load)	88%
Regulation(CV)	
Load	≤30 mV
Line	≤20 mV
Ripple & Noise (Noise bandwidth 20MHz, ripple bandwidth 1MHz, connect 10uF electrolytic capacitor in parallel with 0.1uF ceramic capacitor to the output terminal for testing)	
Voltage(Vp-p)	≤30 mV
Voltage(rms)	≤5 mV
Current(Arms)	≤30 mA
Setting resolution	
Voltage	10 mV
Current	1 mA
Readback Resolution	
Voltage	10 mV
Current	1 mA
Readback Resolution	
Voltage	10 mV
Current	1 mA
Setting Accuracy	
Voltage	≤0.1 % ± 20 mV
Current	≤0.2 % ± 20 mA
Readback Accuracy	
Voltage	≤0.1 % ± 20 mV
Current	≤0.2 % ± 20 mA
Response time	
Transient recovery time (50 - 100 % rated load)	≤1.0 ms
Protection function	
OVP	0 - 32 V
OCP	0 - 8.2 A
OTP	85 °C

Temperature coefficient of output	
Voltage	100 ppm/°C
Current	200 ppm/°C
Temperature coefficient of readback value	
Voltage	100 ppm/°C
Current	200 ppm/°C
Display	
Display Type	3.5 inches color LCD
Resolution	240 (horizontal) × 320 (vertical) pixels
Color	65536 color,TFT
Environment	
Temperature	Working Temperature: 0 to +40 °C Storage Temperature: -20 to +60 °C
Relative Humidity	≤90 % RH; no condensation
Height	2,000 meters
Cooling	Natural cooling
Other	
Communication Port	USB communication, compatible with SCPI communication protocol
Dimension	82 mm (Height) × 142 mm (Width) × 226 mm (Long)
Weight	Approx. 1.8 kg

PACKAGE CONTENTS

DC power supply // Power cord // USB cable // Fuse // Banana plug to crocodile clip test cable // Operating instructions // Safety hint sheet