AC Power Supply/Frequency Converter Specifications
Model BL3X100C-9-6188

Features

- Adjustable output 0-15 VAC, L-N, 3-phase, 1200 Hz
- Compact Size – Less rack space

The BL3X100 delivers clean sine wave output with excellent line and load regulation, low harmonic distortion. Unique protection circuitry provides for over-temperature protection; short-circuit protection and voltage fold-back during overloads to maintain undistorted waveforms. Small size, quiet operation make the BL3X100 ideal for avionic testing.

SPECIFICATIONS

INPUT

- Voltage: 230 VAC, +10% /- 15%, 1-phase
- Frequency: 47-63 Hz

OUTPUT

- Voltage: 0-15 VAC, L-N, 3-phase, Isolated and Floating.
- Power: 120 VA, 40 VA/phase
- Frequency: 1200 Hz
- Current: 2.6Amps/phase maximum
- Crest Factor: 3:1
- Power Factor: 100% of rated output into any power factor load
- Distortion: 5% THD Typical with resistive load
- Line Regulation: 0.5% for +/- 10% line change
- Load Regulation: 0.7% no load to full load
- Efficiency: 70% typical

CONTROLS/INDICATORS

- Power On/Off: Circuit breaker
- Indicators: Power On, Overtemp, Fault, Constant Current

PROTECTIVE CIRCUITS

- Input: Main circuit breaker
- Constant Current: Overload automatically causes voltage fold-back to provide maximum current without distorting output waveform.
- Overload: Short Circuit overload electronically disables output to protect load. Power restored by cycling circuit breaker
- Thermal: Internal temperature sensor prevents over heating.
ENVIRONMENTAL / CONNECTIONS
Operating Temp: 32° F to 122° F (0-50° C)
Humidity: 0-95% RH non-condensing
Input Connections: Terminal block with #6-32 hardware
Output Connections: Terminal block with #6-32 hardware

MECHANICAL SPECIFICATIONS
Dimensions: 19"rack-mount chassis (3U) 5.25" H and 22" D
Weight: 35 lbs max
Cooling: Internal fans