

KLS10F

10 WATT OPEN FRAME POWER SUPPLY



FEATURES

- ✔ **LOW COST**
- ✔ **UNIVERSAL INPUT**
- ✔ **HIGH RELIABILITY**
- ✔ **OVERVOLTAGE PROTECTION**
- ✔ **OVERCURRENT PROTECTION**
- ✔ **SUPER SMALL SIZE**
- ✔ **HIGH EFFICIENCY**
- ✔ **COMPACT LOW PROFILE PACKAGE**
- ✔ **TWO YEAR WARRANTY**

SAFETIES / EMI



ELECTRICAL SPECIFICATIONS

All specifications are typical at nominal input, full load.

INPUT SPECIFICATIONS

Input Voltage.....	85-264VAC
Input Frequency.....	47-63 Hz
Input Current (100V).....	0.2A (5V, 12V, 15V, 24V)
Inrush Current (100V, 50Hz).....	20A (Cold Start)

OUTPUT SPECIFICATIONS

Output Voltage.....	See Chart
Output Voltage Adjustment Range.....	± 10% (Optional)
Over-Voltage Protection.....	Zener Limiter
Line Regulation.....	0.5%
Over-Current Protection.....	Automatic Recovery
Load Regulation.....	1.0%
Hold-Up Time.....	20 mS
Rise Time.....	200mS max. (At 25°C nominal input / output)
Drift.....	0.5% + 15
Leakage Current.....	0.5 mA or less
Ripple and Noise.....	5% + 50 mV

GENERAL SPECIFICATIONS

MTBF.....	>100,000 hrs
Isolation Voltage	
Primary to Secondary.....	3000 VAC
Primary to FG.....	3000 VAC
Secondary to FG.....	500 VAC
Isolation Resistance.....	FG 50 MΩ (DC 500V)

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	0°-60°C
	Derates linearly 2.5%/°C after 50°C
Cooling.....	Convection
Temperature Coefficient.....	0.02% / °C
Storage Temperature.....	-20°C - +75 °C
Humidity.....	30% - 85% Rh (Non-condensing)

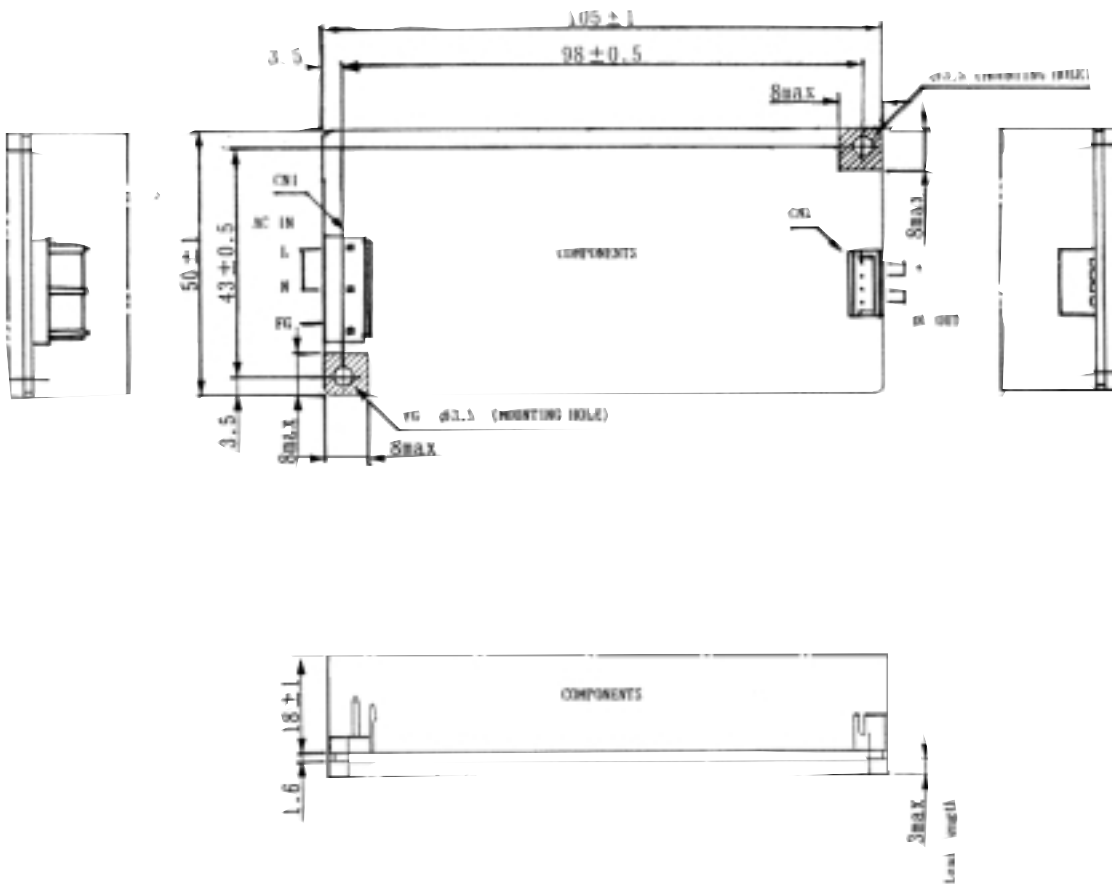
PHYSICAL SPECIFICATIONS

Open Frame, Glass Epoxy PC Board

Series

MODEL No.	INPUT RATING	OUTPUT VOLTAGE	OUTPUT CURRENT	EFFICIENCY AT 100% LOAD (TYP)
KLS10F-05S	100-230V 50-60HZ	5 VDC	2.0 A	70%
KLS10F-12S	100-230V 50-60HZ	12 VDC	0.9 A	70%
KLS10F-15S	100-230V 50-60HZ	15 VDC	0.7 A	72%
KLS10F-24S	100-230V 50-60HZ	24 VDC	0.5 A	72%

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NOTE:

All specifications typical and nominal / full load and 25°C unless otherwise noted.
 Avoid sustained operation in overload or dead short conditions.
 Specifications subject to changes without notice.

• Dimensions in mm

