



# KLT30F Series

## 30 WATT, Universal Input Open Frame Switching Power Supply

### ELECTRICAL SPECIFICATIONS

All specifications are typical at nominal input, full load



### INPUT SPECIFICATIONS

Input Voltage.....	85 ~ 264VAC
Input Frequency.....	47 ~ 63Hz
Input Current.....	0.8A Typ.
Inrush Current.....	15A

### OUTPUT SPECIFICATIONS

Output Voltage .....	See Chart
Efficiency.....	70% Typ.
Over-Voltage Protection.....	CH1 only. Zener Limiter
Over-Current Protection.....	Automatic Recovery
Ripple and Noise.....	See Chart
Hold-Up Time.....	20 mS
Load Regulation.....	CH1 – 100mV CH2, CH3 – 120mV
Rise Time.....	100mS
Leakage Current .....	100V – 0.5mAmps 230V – 0.75mAmps
Drift (8H, after 1H).....	0.5% +15 mV

## FEATURES

- TRIPLE OUTPUTS
- LOW COST
- OPEN FRAME
- UNIVERSAL INPUT
- OVERVOLTAGE PROTECTION
- OVERCURRENT PROTECTION
- COMPACT, LOW-PROFILE PACKAGES
- 3 YEAR WARRANTY
- OPTIONAL CHASSIS AND COVER

### SAFETIES/APPROVALS

UL60950  
CSA C22.2 No. 60950(cUL)  
CE EN60950 3<sup>rd</sup> Edition (LVD)

### GENERAL SPECIFICATIONS

Isolation Voltage	
Primary to Secondary.....	3000VAC
Primary to Case.....	1500VAC
Secondary to Case.....	500VAC
Isolation Resistance.....	100 M-Ohms min.

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature .....	0°C ~ +60°C
Cooling.....	Convection
Temperature Coefficient.....	0.02% / °C
Humidity.....	20 ~ 85%Rh (non-condensing)
Storage Temperature.....	-20°C ~ +85°C
Shock Vibration.....	Shock: 20G(3 Directions each 3 times) Vibration: 10 ~ 55Hz

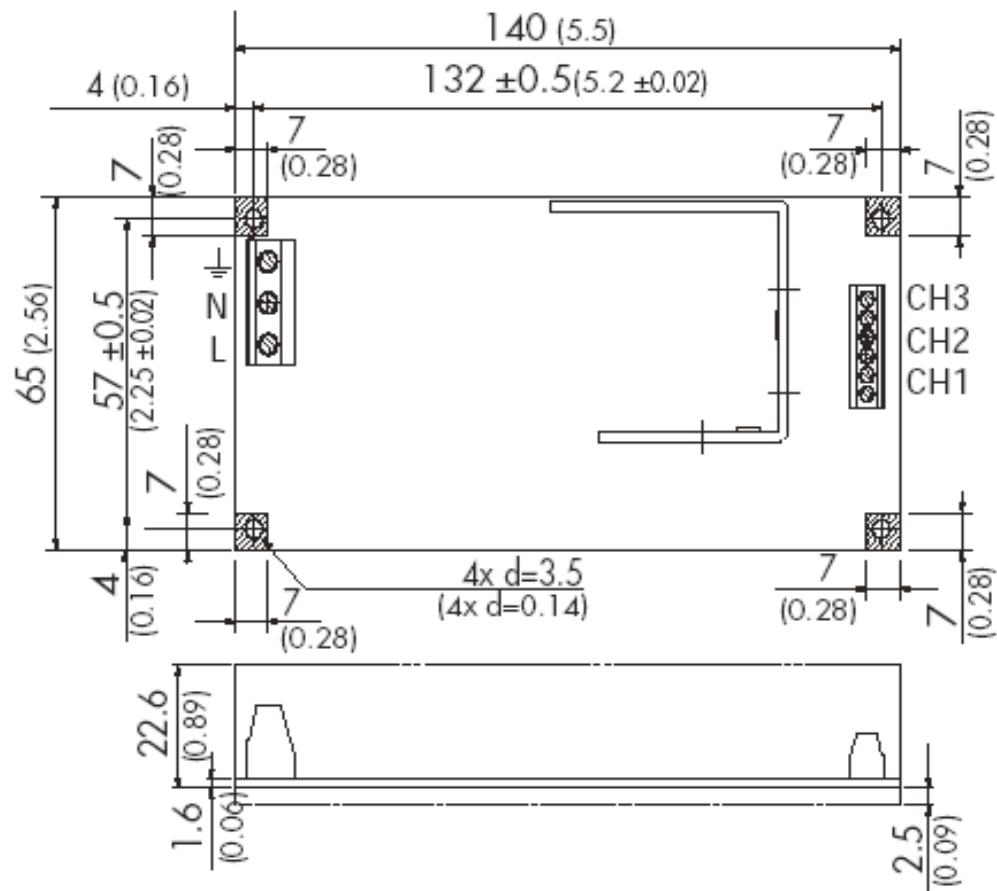
### PHYSICAL SPECIFICATIONS

Open Frame

MODEL	OUTPUT 1		OUTPUT 2		OUTPUT 3		Ripple & Noise (mVp-p)
KLT30F-0522	+5V	4.0A	+12V	1.2A	-12V	0.5A	150mVp-p
KLT30F-0533	+5V	4.0A	+15V	1.0A	-15V	0.5A	150mVp-p

MAX POWER NOT TO EXCEED 15WATTS

## KLT30F



Note:

- Phoenix connector shown. JST and Molex connectors available.
- Measurements in millimeter (mm) unless otherwise specified
- Tolerance  $\pm 1\text{mm}$

### 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.