

T-57-11

GENERAL PURPOSE ECONOMY DC/DC CONVERTERS

KLUD SERIES

**EFFICIENCY TO 85%
ECONOMY PRICED
QUALITY FEATURES**

The KLUD series is a family of economy priced, single and dual output DC/DC converters. These units contain no output regulator, but efficient circuit design affords ample regulation for a large number of analog and digital applications. Except for the regulator, this family provides the same excellent features found in the KLRD series on the next page. The KLUD series models are easy to use because of built-in quality features. A high performance input filter minimizes reflected input ripple, while proprietary design techniques reduce output noise current to less than 2.5mA. Efficiency to 85% and short-circuit protected outputs assure reliable performance. Input-to-output isolation provides a larger degree of versatility. This combination of features is usually found in converters costing for more.

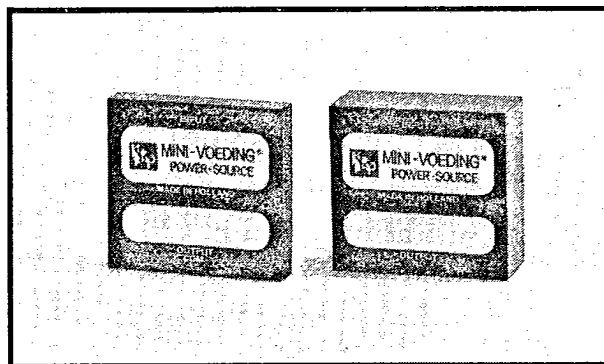
GENERAL SPECIFICATIONS

Input reflected ripple : 1% Ein (max.)
 Output voltage tolerance : ±3% at specified Vin and F.L.
 Regulation : Line: 1%/Vin, Load: see curve.
 Ripple and noise : 50mV RMS.
 Input-output isolation : 300 Vdc (min.)
 Operating temperature range : -25°C to +71°C.
 Storage temperature : -40°C to +85°C.
 Efficiency : 70-85% at nominal line and full load.

ORDERING INFORMATION

Input Voltage Range (Vdc)	Output Voltage (Vdc)	Output Current (mA)	Package	Model Number
4.5-5.5	5	750	4B	KLUD5-5S750
4.5-5.5	5	1000	4C	KLUD5-5S1000
10.8-13.2	5	1000	4B	KLUD12-5S1000
10.8-13.2	5	1300	4C	KLUD12-5S1300
4.5-5.5	10	600	4B	KLUD5-10S600
4.5-5.5	10	800	4C	KLUD5-10S800
4.5-5.5	12	600	4B	KLUD5-12S600
4.5-5.5	12	800	4C	KLUD5-12S800
4.75-5.25	180	30	1B	KLUD5-180S30
4.75-5.25	250	30	1B	KLUD5-250S30
4.5-5.5	+12/-5	300/-100	4B	KLUD5722
4.5-5.5	±12	±300	4B	KLUD5-12D300
4.5-5.5	±12	±400	4C	KLUD5-12D400
10.8-13.2	±12	±500	4B	KLUD12-12D500
10.8-13.2	±12	±650	4C	KLUD12-12D650
4.5-5.5	±15	±300	4B	KLUD5-15D300
4.5-5.5	±15	±400	4C	KLUD5-15D400
10.8-13.2	±15	±500	4B	KLUD12-15D500
10.8-13.2	±15	±650	4C	KLUD12-15D650

Available upon request, please consult factory: other voltages and currents, different pin configurations.



MECHANICAL INFORMATION

PACKAGE 4

PACKAGE 1

Fig. 3

CONNECTIONS

Single Outputs	Dual Outputs
PIN 1 +Vdc in	PIN 1 +Vdc in
2 -Vdc in	2 -Vdc in
3 +Vdc out	3 +Vdc out
4 Do Not Connect	4 Common out
5 -Vdc out	5 -Vdc out

NOTES

- Five Pins 0.040 (1.0) Dia x 0.20 (5.1) Lg Min
- Two Mounting Inserts M3 x 0.10 (2.5) Dp Min
- All Dimensions are in Inches and (mm)

Specifications subject to change without notice.

SOCKETS FOR ALL MODELS:
 KR- 4 FOR PACKAGE 4
 KR- 12 FOR PACKAGE 1