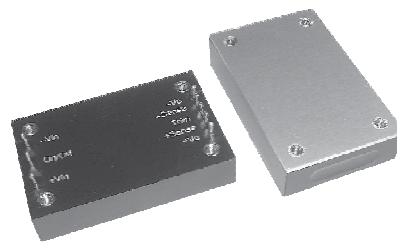


50 ~ 75 Watts DIP Type Single Output DC - DC Converters



FEATURES

- 50-75W Isolated Output / 300KHz Switching Frequency
- 2:1 Input Range / Efficiency To 90% / Regulated Outputs
- Quarter-Brick Size Meet Industrial Standard
- CE Mark Meets 2004/108/EC ; UL60950-1 Approval

SPECIFICATIONS

Input Voltage Range.....24V:18-36VDC ; 48V: 36-75VDC
Undervoltage Lockout:

24Vin power up: 17VDC / Power down: 15.5VDC

48Vin power up: 34VDC / Power down: 32.5VDC

Positive Logic Remote On/Off.....See note 3&4

Input Filter.....PI Type

Voltage Accuracy..... $\pm 1\%$ max.

Transient Response.....75-100% Step Load Change

Error Band: $\pm 5\%$ Vout / Recover Time: < 500 μ s

External Trim Adj. Range..... $\pm 10\%$

Ripple & Noise(20MHz BW).....100mV pk-pk max.

Temperature Coefficient..... $\pm 0.03\%/^{\circ}\text{C}$ max.

Short Circuit Protection.....Continuous

Line Regulation (See note1)..... $\pm 0.2\%$ max.

Load Regulation (See note2)..... $\pm 0.2\%$ max.

OVP trip Range, % Vo nom.....115-140%

Current Limit.....110%~140% Nominal Output

Isolation Voltage.....1500VDC min.

Switching Frequency.....300KHz, Typ.

Operating Case Temperature..... -40°C To $+100^{\circ}\text{C}$

Storage Temperature..... -40°C To $+105^{\circ}\text{C}$

Thermal Shutdown, Case Temp. 100°C Typ.

Case Material.....Aluminum baseplate with plastic case

Dimensions...1.45 x 2.28 x 0.50 Inches (36.8 x 57.9 x 12.7 mm)

Weight61.8g (standard) ;39g (open frame)

Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (A)	EFF. %
PKQ75-24S18	18-36	1.8	0.5-25	83
PKQ75-24S25	18-36	2.5	0.5-25	85
PKQ75-24S33	18-36	3.3	0.5-20	88
PKQ75-24S05	18-36	5.0	0.5-15	90
PKQ75-48S18	36-75	1.8	0.5-25	84
PKQ75-48S25	36-75	2.5	0.5-25	86
PKQ75-48S33	36-75	3.3	0.5-20	88
PKQ75-48S05	36-75	5.0	0.5-15	90

Note:

(1) Measured From High Line to Low Line

(2) Measured From Io Min. To Io Max.

(3) Logic Compatibility.....Open Collector ref, to -Input

Module ON.....Open Circuit

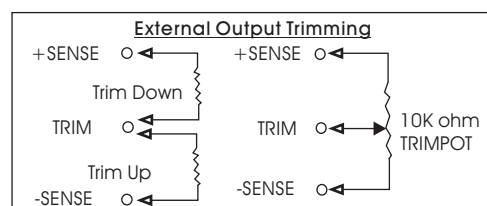
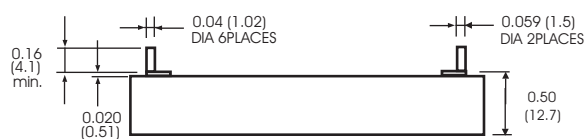
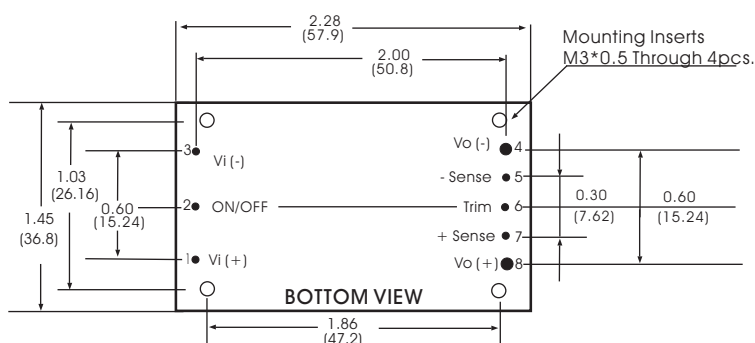
Module OFF.....< 0.8 VDC

(4) Suffix "N" to the Model Number with Negative Logic Remote ON/OFF

(5) Suffix "O" to the Model Number with Open Frame Type

(6) Suffix "C" to the Model number with Clear Mounting Insert (3.2mm DIA.)

MECHANICAL DRAWING (Unit: inch(mm))



PIN CONNECTION			
Pin	Function	Pin	Function
1	+Vin	5	-Sense
2	ON/OFF	6	Trim
3	-Vin	7	+Sense
4	-Vout	8	+Vout

