

LP Series 4.5 Watt

Single and Dual Output

DC-DC Power Converters



DATEL INC

T-57-11

FEATURES

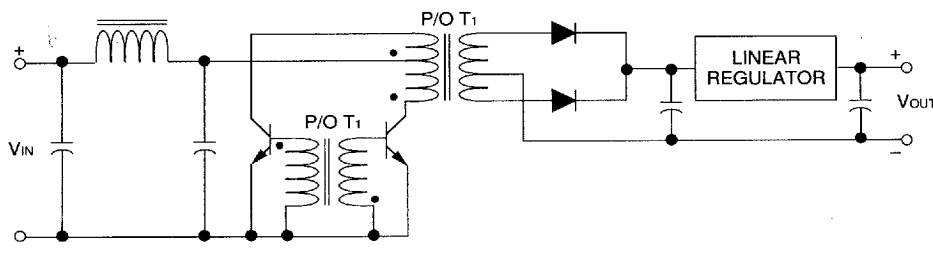
- Fixed input range; 5V, 24V, 28V ($\pm 14\%$, maximum)
- Fixed output; $\pm 15V$ dc (at 150 mA)
- Chassis or PC board mount (2" x 2" x 0.40")
- 300V dc input to output isolation
- Very wide operating temperature (-25°C to $+71^{\circ}\text{C}$)
- Output ripple of 1 mV (RMS, maximum)
- Delivery from stock!



GENERAL DESCRIPTION

The LP Series of high performance, mid-range power 4.5 Watt DC-to-DC converters provide the accuracy and reliability you've come to expect from DATEL. All three models are available in a standard 2" x 2" x 0.40" package to cover virtually any application from special in-house designs to high volume OEM use. Their compact size, low price, and rugged reliability means years of cost effective, trouble-free operation under virtually any environmental or electrical condition. Outstanding output accuracy combined with overall temperature coefficient of 0.005% per $^{\circ}\text{C}$, and very low noise and ripple make these power converters ideal for sensitive circuits.

The 4.5 Watt LP Series are available with fixed input voltages of 5V, 24V, and 28V with voltage tolerances of $\pm 0.25V$, $\pm 3.5V$, and $\pm 4.0V$, respectively. Output voltage is a highly regulated $\pm 15V$ at ± 150 mA. Their industry standard package (2" x 2" x 0.40") and convenient heat sinking capability via two threaded 2-56 studs combined with their low price and off-the-shelf delivery make this series of mid-power DC/DC power converters ideal for a wide range of applications. Just a few of the more common application areas are; Industrial Control Systems, Telecommunications Equipment, Analog Systems, Digital Circuits, Field/Mobile Instrumentation, or wherever high reliability at the lowest possible cost is demanded.



APPLICATIONS

- Telecommunications Equipment
- Local Power Distribution Systems
- PC Board Subsystems
- Avionics Subsystems/Instrumentation
- Portable Computer and Computer Controlled Equipment
- Marine Systems and Equipment

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