



### Item # PS12-20, POL, 100-Watt, SMT, 0.7525 - 5 Volts Output

List Price **QUOTE**

The **PS12-20** Point of Load (POL), non-isolated DC-DC converters, provides regulated user selectable output voltages of 0.75 to 5 Volts over a wide input range of 6 to 14 Volts. This series offers Ultra-high efficiency and high power density DC/DC converters. The efficiency is achieved by using synchronous rectification and drive control techniques. The **PS12-20** topology is based on a non-isolated synchronous buck converter in which the control loop is optimized for unconditional stability, fast transient response, very tight line and load regulation. At start up, the **PS12-20** series converters do not draw any reverse current in a typical pre-bias application.

The **PS12-20** is offered as an SMT device. This POL series is rated to perform over the ambient temperature range of  $-40$  C to  $+85$  C. The modules are fully protected against short circuit and over-temperature conditions. The converter will shut down automatically if the converter is overloaded or the ambient temperature gets too high. There is also an ON/OFF input pin that allows the converter to be shut down.

### Specifications

Minimum Input Voltage (V)	6
Maximum Input Voltage (V)	14
Output Voltage	0.75 - 5 V
Maximum Output Current (A)	20
Efficiency (%)	90
Data Sheet (PDF Link)	<a href="#">POL Series, 100 Watt Data Sheet</a>

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