



SIP SMT10-12 SERIES

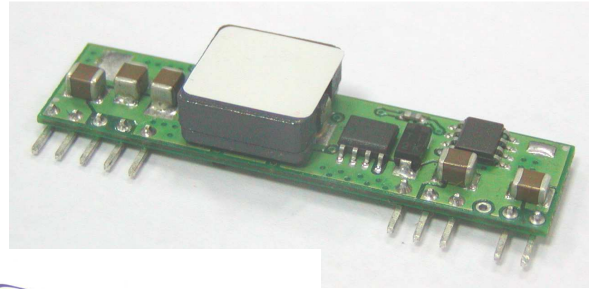
10 AMP

POL CONVERTERS



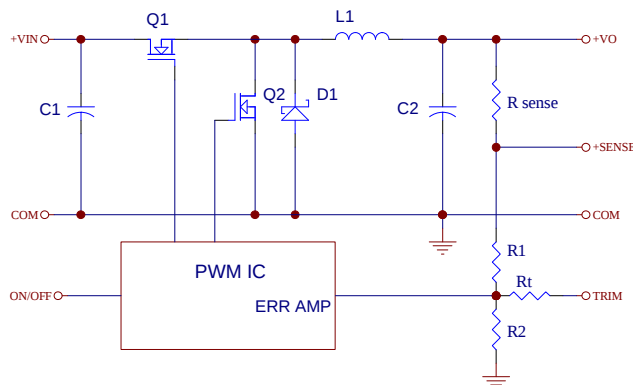
FEATURES

- * Non-isolated POL Converter
- * SIP / SMT Package
- * Output Current 10AMP
- * Input Voltage Range 9.0 – 14VDC
- * 300KHz Switching Frequency
- * High Efficiency to 95%
- * Over Temperature Protection
- * Continuous Short Circuit Protection
- * Remote ON/OFF Control
- * UL/C-UL60950 Certified



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		Efficiency (%)
				NO LOAD	FULL LOAD	
SIP10-12S10 SMT10-12S10	9.0 – 14VDC	1.0VDC	10A	50mA	992mA	84
SIP10-12S12 SMT10-12S12	9.0 – 14VDC	1.2VDC	10A	50mA	1163mA	86
SIP10-12S15 SMT10-12S15	9.0 – 14VDC	1.5VDC	10A	50mA	1404mA	89
SIP10-12S18 SMT10-12S18	9.0 – 14VDC	1.8VDC	10A	60mA	1666mA	90
SIP10-12S20 SMT10-12S20	9.0 – 14VDC	2.0VDC	10A	60mA	1832mA	91
SIP10-12S25 SMT10-12S25	9.0 – 14VDC	2.5VDC	10A	60mA	2264mA	92
SIP10-12S33 SMT10-12S33	9.0 – 14VDC	3.3VDC	10A	70mA	2956mA	93
SIP10-12S05 SMT10-12S05	9.0 – 14VDC	5.0VDC	10A	70mA	4385mA	95
SIP10-12S05A SMT10-12S05A	8.3 – 14VDC	0.75 -5VDC	10A	70mA	2956mA	93%@3.3V

NOTE: Nominal Input Voltage 12VDC



Vo,set (V)	Rtrim (KΩ)
0.75	Open
1.2	22.33
1.5	13.0
1.8	9.0
2.0	7.4
2.5	5.0
3.3	3.12
5.0	1.47

Table 1. Suffix "A" to the model number
External Resistor Values for
programming output voltage

Figure 1. Simplified Schematic

Mouser Electronics

Authorized Distributor

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Cincon:

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