



SIPSMT10W-12 SERIES

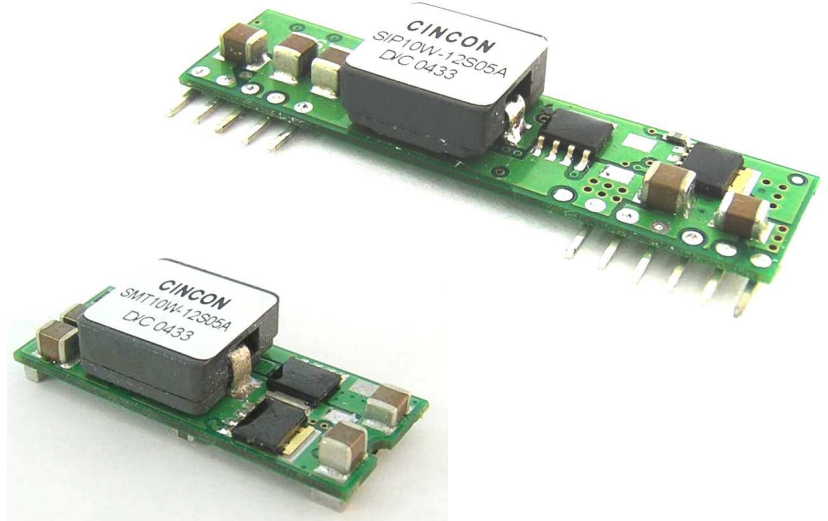
10 AMP

POL CONVERTERS



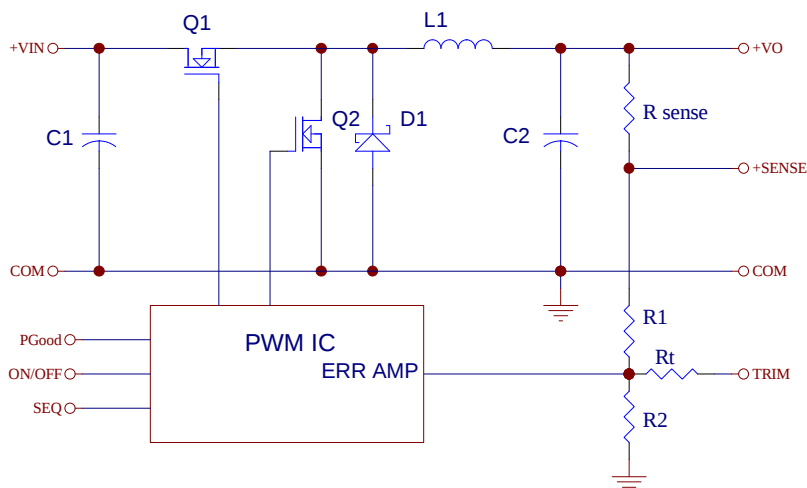
FEATURES

- * Non-isolated POL Converter
- * SIP / SMT Package
- * Output Current 10AMP
- * Input Voltage Range 6.0-14VDC
- * Output Voltage Range 0.7525-5VDC
- * 300KHz Switching Frequency
- * High Efficiency to 95%
- * Over Temperature Protection
- * Continuous Short Circuit Protection
- * Remote ON/OFF Control
- * Output Voltage Sequencing
- * Power Good Signal
- * UL/C-UL60950 Certified



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		Efficiency (%)
				NO LOAD	FULL LOAD	
SIP10W-12S05A SMT10W-12S05A	6.0 – 14VDC	0.7525VDC	10A	40mA	762mA	82
		1.2VDC	10A	40mA	1149mA	87
		1.5VDC	10A	50mA	1404mA	89
		1.8VDC	10A	50mA	1666mA	90
		2.0VDC	10A	60mA	1832mA	91
		2.5VDC	10A	65mA	2264mA	92
		3.3VDC	10A	75mA	2956mA	93
	6.5 – 14VDC	5.0VDC	10A	95mA	4386mA	95

NOTE: Nominal Input Voltage 12VDC



Vo,set (V)	Rtrim (KΩ)
0.7525	Open
1.2	22.46
1.5	13.05
1.8	9.024
2.0	7.417
2.5	5.009
3.3	3.122
5.0	1.472

Table 1. External Resistor Values for programming output voltage

Figure 1. Simplified Schematic

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