

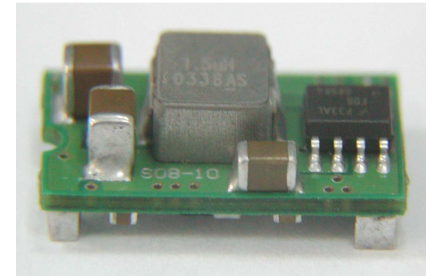
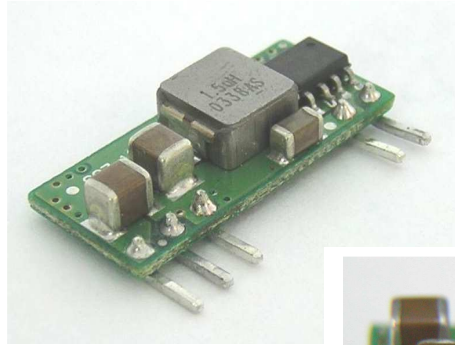


SIPSMT05-05 SERIES 5 AMP POL CONVERTERS



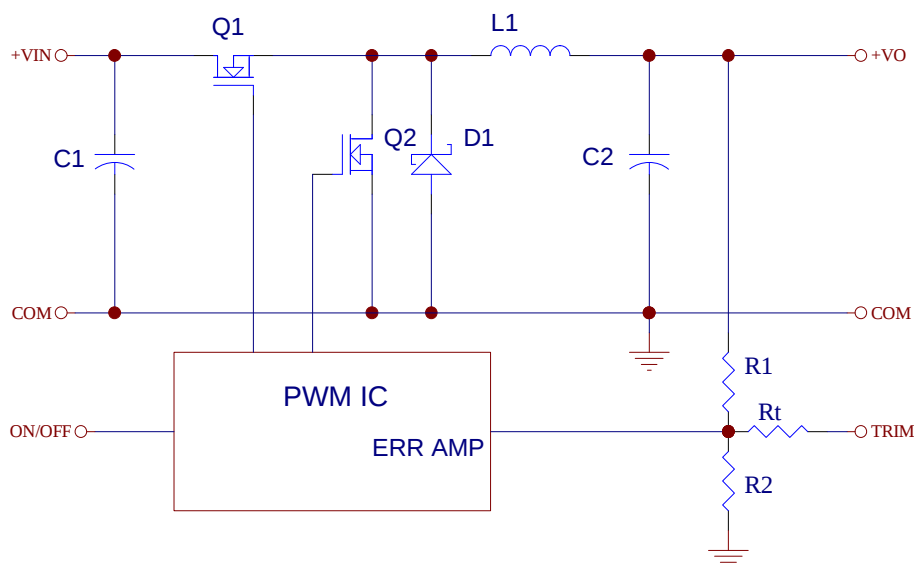
FEATURES

- * Non-isolated POL Converter
- * SIP / SMT Package
- * Output Current 5AMP
- * Input Voltage Range 3.0 – 5.5VDC
- * Output Voltage Range 0.75 – 3.63VDC
- * High Efficiency to 94%
- * Over Temperature Protection
- * Continuous Short Circuit Protection
- * Remote ON/OFF
- * UL/C-UL60950 Certified



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		Efficiency (%)
				NO LOAD	FULL LOAD	
SIP05-05S33A SMT05-05S33A	3.0 – 5.5VDC	0.75VDC	5A	25mA	949mA	79
		1.2VDC	5A	30mA	1412mA	85
		1.5VDC	5A	30mA	1724mA	87
		1.8VDC	5A	35mA	2022mA	89
		2.0VDC	5A	35mA	2222mA	90
		2.5VDC	5A	35mA	2217mA	92
	4.5 – 5.5VDC	3.3VDC	5A	35mA	3511mA	94

NOTE: Nominal Input Voltage 5.0VDC



Vo,set (V)	Rtrim (KΩ)
0.75	Open
1.2	41.71
1.5	22.98
1.8	14.96
2.0	11.75
2.5	6.93
3.3	3.15
3.63	2.20

Table 1. External Resistor Values for programming output voltage

Figure 1. Simplified Schematic

