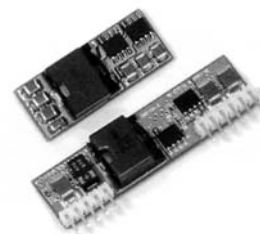


Features

- Delivers 15A of output current
- High efficiency
- Low output ripple and noise
- Small size and low profile
- Cost efficient open frame design
- single-in-line (SIP) and SMT package
- Remote on/off (active low)
- Remote sense
- Trimmable output voltage via external resistor
- Output over current protection
- Over temperature protection
- Wide operating temperature range -40°C~85°C
- Non-isolated



Model Number	Input Voltage	Output Voltage	Output Current	Max. Power	Ripple & Noise max	MTBF	Efficiency typ.
VSNS15-5-1R0	3.0-5.5V	1.0V	15A	15.0W	40mVp-p	7.6x10 ⁵ hrs	84%
VSNS15-5-1R5	3.0-5.5V	1.5V	15A	22.5W	40mVp-p	7.6x10 ⁵ hrs	88%
VSNS15-5-1R8	3.0-5.5V	1.8V	15A	27.0W	40mVp-p	7.6x10 ⁵ hrs	89%
VSNS15-5-2R0	3.0-5.5V	2.0V	15A	30.0W	40mVp-p	7.6x10 ⁵ hrs	91%
VSNS15-5-2R5	3.0-5.5V	2.5V	15A	37.5W	40mVp-p	7.6x10 ⁵ hrs	92%
VSNS15-5-3R3	4.5-5.5V	3.3V	15A	49.5W	40mVp-p	7.6x10 ⁵ hrs	94%
VSNS15-12-1R0	10-14V	1.0V	15A	15.0W	60mVp-p	8.0x10 ⁵ hrs	82%
VSNS15-12-1R5	10-14V	1.5V	15A	22.5W	60mVp-p	8.0x10 ⁵ hrs	87%
VSNS15-12-1R8	10-14V	1.8V	15A	27.0W	60mVp-p	8.0x10 ⁵ hrs	88%
VSNS15-12-2R5	10-14V	2.5V	15A	37.5W	60mVp-p	8.0x10 ⁵ hrs	90%
VSNS15-12-3R3	10-14V	3.3V	15A	49.5W	60mVp-p	8.0x10 ⁵ hrs	92%
VSNS15-12-5R0	10-14V	5.0V	15A	75.0W	60mVp-p	8.0x10 ⁵ hrs	94%

1. Typical at Ta+ +25°C under nominal line voltage and full load conditions, unless other wise noted. All models are tested and specified with external input and output capacitors. (Cin=100uFx2 Cout=10uF), These capacitors are necessary to accommodate out test equipment.

2. Ripple and Noise are tested/specified over a 20MHz bandwidth and may be reduced with external filtering.

3. This device has no minimum load requirement and will regulate under no-load conditions. The regulation part of the specification describes the output voltage deviation as the line voltage or load is varied from its minimum value to either extream .

Electrical Specifications

Voltage tolerance	±2.0%
Line regulation	±0.3%
Load regulation	±0.4%
Switching frequency	300KHz
Dimensions	50.8x13.97x8.64mm (SIP package)

Note: Suffix V is for SIP packaging

Suffix H is for SMT packaging

Drawings

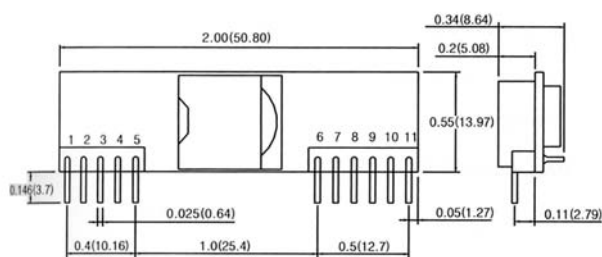
Single Output (SIP)

1. +Vout
2. +Vout
3. Sense
4. +Vout
5. COM
6. COM
7. +Vin
8. +Vin
9. No Pin
10. TRIM
11. ON/OFF

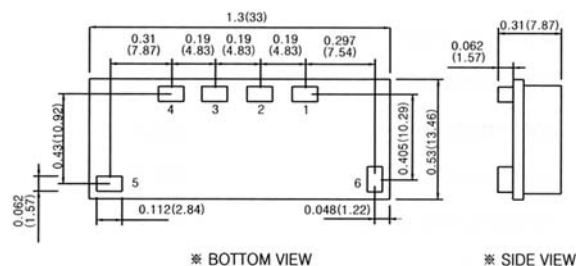
Single Output (SMT)

1. Sense
2. Trim
3. +Vout
4. COM
5. +Vin
6. ON/OFF

Dimensions



〈SIP TYPE〉



※ BOTTOM VIEW

※ SIDE VIEW

〈SMT TYPE〉

NOTES

1. All dimensions are in inches (mm)
2. Weight : 7.8g or less (SIP)
5.6g or less (SMT)

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