

FEATURES 5V Inputs

- Delivers 16A of Output Current
- High efficiency
- Compact Footprint / Low Profile
- Single-in-Line SIP Package
- Cost-Efficient Open Frame Design
- Remote On/Off (CNT) (Active Low)
- Remote Sense
- Trimmable Output Voltage via External Resistor
- Low Output Ripple / Noise
- Over Current Protection (OCP)
- Over Temperature Protection (OTP)
- 3 Year Warranty

ELECTRICAL SPECIFICATIONS

SNS16A - 5 Packages

· Input Range	5V(4.5 - 5.5V)
· Efficiency	94%@3.3V
· Remote On/Off Control	<div> <div>On : Open, 0 - 1.0V</div> <div>Off : +1.2V to +Vin</div> </div>
· Output Voltages	1.0 - 3.3V
· Output Voltage Tolerance	±2.0%
· Line Regulation	±0.3% Max.
· Load Regulation	±0.4% Max.
· Switching Frequency	300kHz
· * Ripple and Noise	45mVp-p (@3.3V)

ENVIRONMENTAL

· Operating Temperature Range	-40°C ~ 85°C
· Storage Temperature Range	-40°C ~ 125°C
· Lead Temperature (Soldering , 10sec)	+300°C
· Thermal ShUTDOWN	+135°C
· MTBF (MIL-HDBK-217F)	8.0 x 10 ⁵ hrs

* Ripple & Noise is tested / Specified over a 20MHz bandwidth and may be reduced with external filtering.

ORDERING INFORMATION

Input	Output	Maximum Power	Ripple & Noise Max.	Efficiency Typ.	Model Number
4.5 - 5.5V	1.0V@16.00A	16.00W	40mVp-p	84%	SNS16A-5-1R0V
4.5 - 5.5V	1.2V@16.00A	19.20W	40mVp-p	86%	SNS16A-5-1R2V
4.5 - 5.5V	1.5V@16.00A	24.00W	40mVp-p	88%	SNS16A-5-1R5V
4.5 - 5.5V	1.8V@16.00A	28.80W	45mVp-p	89%	SNS16A-5-1R8V
4.5 - 5.5V	2.0V@16.00A	32.00W	45mVp-p	91%	SNS16A-5-2R0V
4.5 - 5.5V	2.5V@16.00A	40.00W	45mVp-p	92%	SNS16A-5-2R5V
4.5 - 5.5V	3.3V@16.00A	52.80W	45mVp-p	94%	SNS16A-5-3R3V

V : SIP package

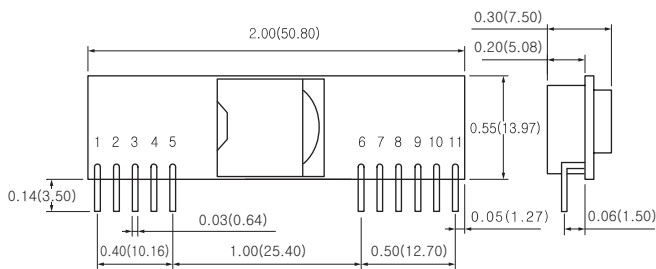
1. Typical at $T_a = +25^\circ\text{C}$ under nominal line voltage and full load conditions, unless otherwise noted. All models are tested and specified with external input and output capacitors. ($C_{in}=100\mu\text{F} \times 2$ $C_{out} = 10\mu\text{F}$), These capacitors are necessary to accommodate our test equipment.
2. Ripple & Noise is tested / specified over a 20MHz bandwidth and may be reduced with external filtering. See I/O Filtering.
3. These device have no minimum-load requirement and will regulate under no-load conditions. Regulation specification describe the output voltage deviation as the line voltage or load is varied from its minimum value to either extreme.

PIN ASSIGNMENTS

Single Output (SIP)

1. +Vout
2. +Vout
3. Sense
4. +Vout
5. COM
6. COM
7. +Vin
8. +Vin
9. No Pin
10. TRM
11. CNT

DIMENSIONS



[SIP TYPE]

NOTE 1 All dimension are in inches (mm)
2 Weight : 7.3g or less