

SPECIFICATIONS

All Specifications Typical At Nominal Line, Full Load, and 25°C Unless Otherwise Noted

INPUT SPECIFICATIONS:

Input Voltage Range	5V	3.0 – 5.5V
	5V	4.5 – 5.5V
Under Voltage Lock-out	Power up	2.8V typ.
	Power down	2.7V typ.
Input Filter Type	Capacitive	
Positive Remote on/off Control:		
Module ON	Open Circuit or = Vin	
Module OFF	<0.4Vdc	

OUTPUT SPECIFICATIONS:

Voltage Accuracy	±1.5% max.
Transient Response: 25% Step Load Change	<200us
Ripple and Noise, 20MHz BW (note 3)	20mVrms max.
	50mVpk-pk max.
Temperature Coefficient	±0.03%/C max.
Short Circuit Protection	Continuous
Line Regulation (note 1)	±0.2% max.
Load Regulation (note 2)	±0.5% max.
Capacitive Load, Low ESR	10000uF max.
External Trim Adj. Range	±10%
Start up time	4.5ms typ.

GENERAL SPECIFICATIONS:

Efficiency	See Table
Isolation Voltage	Non-isolation
Switching Frequency	300KHz typ.
Over Temperature Protection	120°C typ.
Operating Ambient Temperature Range	-40°C to +85°C
Power Derating Curve	see Figure2, 3
Storage Temperature Range	-55°C to +125°C
MTBF	MIL-STD-217F, GB, 25°C, Full Load 1.5Mhrs typ.
Dimensions: SIP Package:	2.00x0.52x0.33 inches (50.8x13.2x8.3 mm)

SMT Package: 1.30x0.530x0.366 inches (33.0x12.46x9.3 mm)

Structure	Non-potted With Open Frame Type
Weight	6.8g

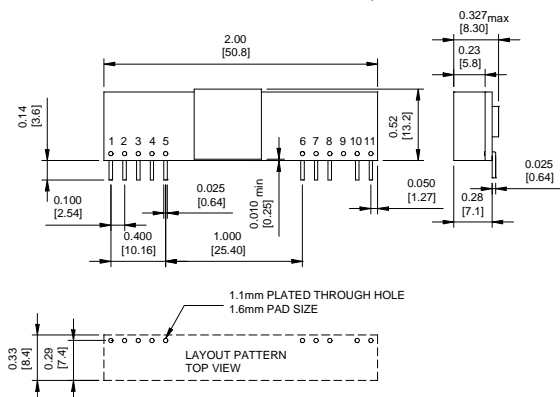
NOTE :

1. Measured From High Line to Low Line
2. Measured From Full Load to Zero Load
3. The output noise is measured with 10uf tantalum capacitor and 1uf ceramic capacitor across output.
4. The Input Terminal Recommend to Parallel With 100uF Capacitor ESR<20mΩ to Reduce The Input Ripple Voltage
5. Suffix "N" to the Model Number with Negative Logic Remote on/off
 Model ON Open Circuit or < 0.4VDC
 Module OFF >+2.8VDC to Vin

Dimensions:

SIP Packages

Mechanical Specification
 All Dimensions In Inches (mm)
 Tolerances Inches: X.XX= ±0.02 , X.XXX= ±0.010
 Millimeters: X.X= ±0.5 , X.XX=±0.25



Pin	FUNCTION
1	+Output
2	+Output
3	+Sense
4	+Output
5	Common
6	Common
7	+V Input
8	+V Input
9	No Pin
10	Trim
11	On/Off Control

SMT Packages

Bottom View of Board

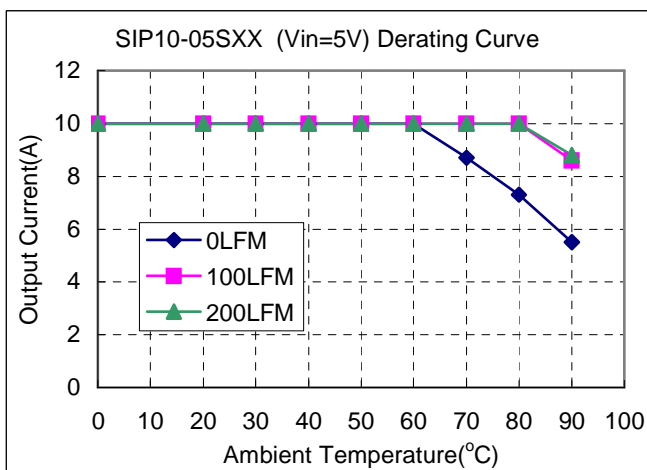
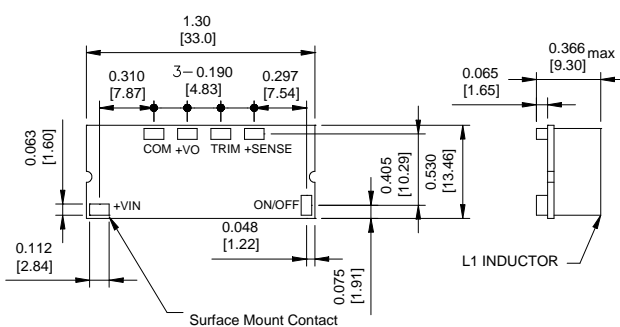


Figure2. Typical Power De-rating for 5V IN

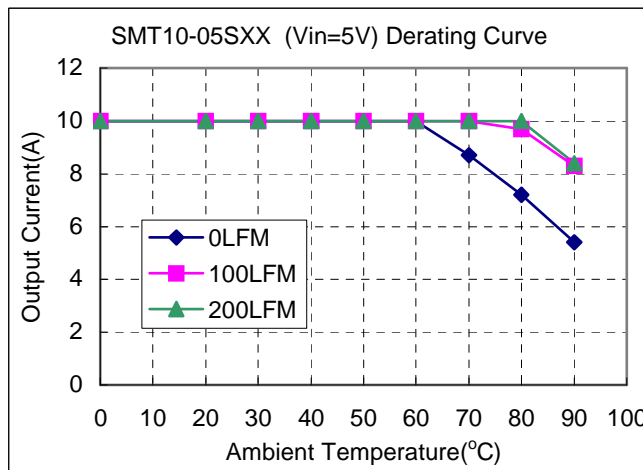


Figure3. Typical Power De-rating for 5V IN