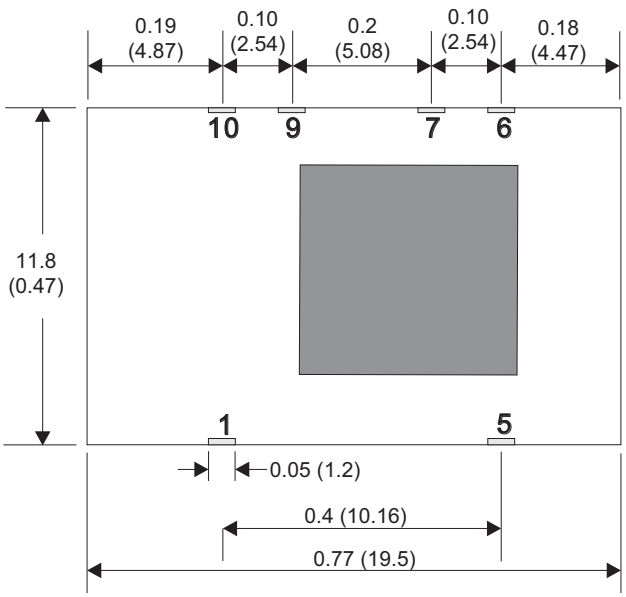
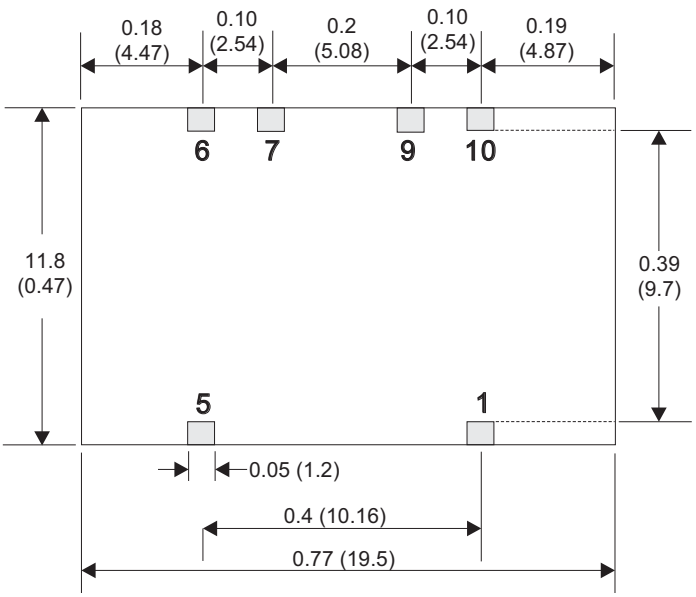
Mechanical Details

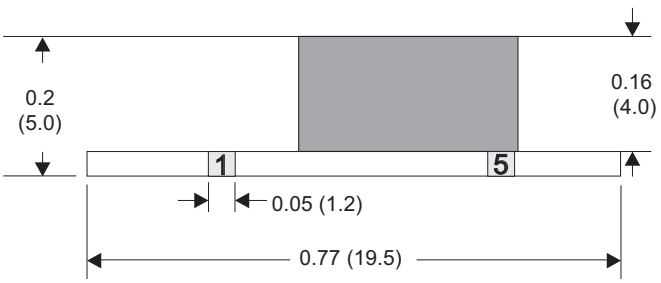
Top View



Bottom View

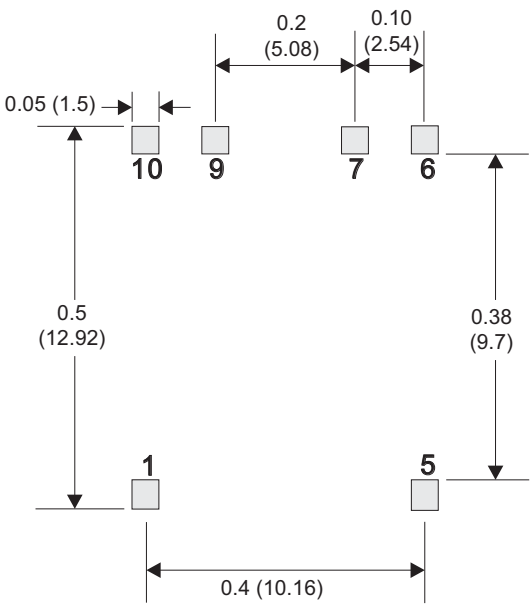


Side View



Pin Connections	
Pin	Function
1	+Vin
5	+Vout
6	Trim
7	Ground
9	Ground
10	Remote On/Off

Solder Pad Dimension

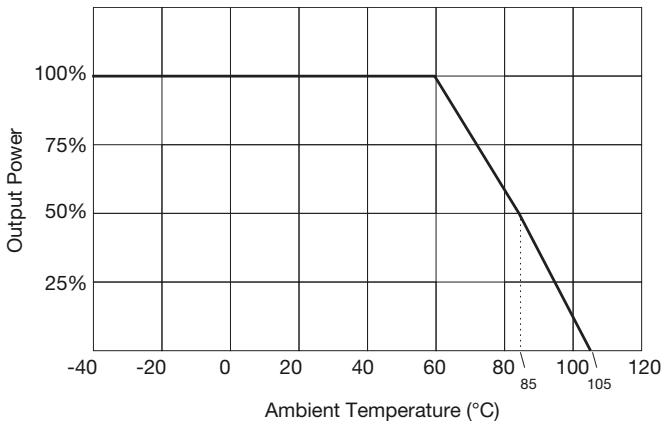


Notes

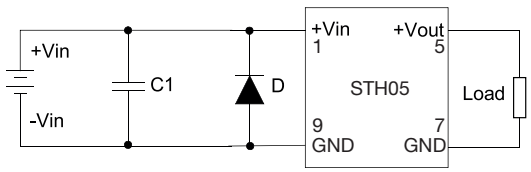
1. All dimensions are in inches (mm)
2. Weight: 0.0039 lbs (1.4 g) approx.
3. Pin Profile Tolerance: ±0.004 (±0.1)
4. Pin Pitch Tolerance: ±0.01 (±0.25)
5. Other Tolerances: ±0.02 (±0.5)
6. PCB tracks should not run under the STH05 to avoid interference and the risk of short circuit.

Application Notes

Derating Curve



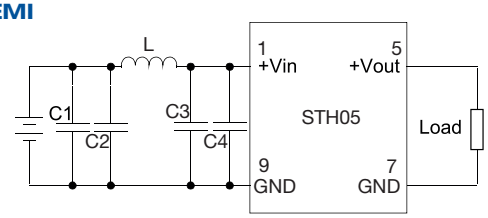
EFT & Surge



Suggested Filter : Nippon - chemi - con 330µF 100V KY series and a TVS, 3KW, 70V.

C1	D1
330 µF, 100 V	SMDJ 7.0 A

EMI



Input filter components (Cin, C1, L1) are used to help meet EMI requirement for the module. These components should be mounted as close as possible to the module; and all leads should be minimized to decrease radiated noise.

C1, C2	L1	C3, C4
1206, 2.2 µF, 100V	56 µH	1206, 2.2 µF, 100 V

Switching Frequency

		Notes
15 V	540 KHz	Typical values at 20% load. Typically 50 KHz at 10% load for all variants.
12 V	480 KHz	
9 V	390 KHz	
7.2 V	300 KHz	
6.5 V	290 KHz	
5.0 V	220 KHz	
3V3	180 KHz	