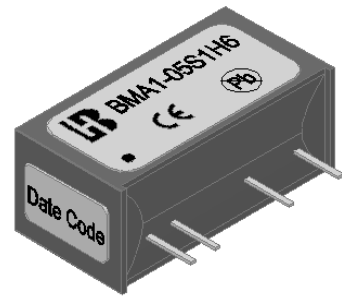


1. Features :

- 1.1. 7 Pin SIL Package
- 1.2. Low Ripple and Noise
- 1.3. Input / Output Isolation : 6000 Vdc
- 1.4. Net Weight : 3.7 g Typical
- 1.5. RoHS Converter Certified By SGS

**2. Input Specification :**

- 2.1. Input Voltage : 4.5 ~ 5.5 Vdc 5Vdc $\pm$ 10 %
- 2.2. Max. Input Current : 270 mA Max. @ Vin = 5Vdc and Output at Full Load.
- 2.3. Quiescent Current : 30 mA Typ. @ Vin = 5Vdc and No Load.
- 2.4. Input Filter : Internal Capacitor
- 2.5. Switching Frequency : 60 KHz Typ. @ Vin = 5Vdc and Output at Full Load.
- 2.6. Input Efficiency : 74 % Min. @ Vin = 5Vdc and 100 % Load. (78 % Typical)

3. Output Specification :

- 3.1. Output Voltage : 5 Vdc @ Vin = 5 Vdc and Output at Full Load.
- 3.2. Output Voltage Accuracy : $\pm$ 5 % Vo = 4.75 ~ 5.25 Vdc
- 3.3. Output Current : 200 mA
- 3.4. Ripple & Noise : 60 mVp-p Max. @ 20 MHz BW
- 3.5. Line Regulation : 1.3 %/ 1.0% Max. See Note (1).
- 3.6. Load Regulation : 15 % Max. See Note (2).
- 3.7. Temperature Coefficient : $\pm$ 0.02 %/ $^{\circ}$ C

Note :

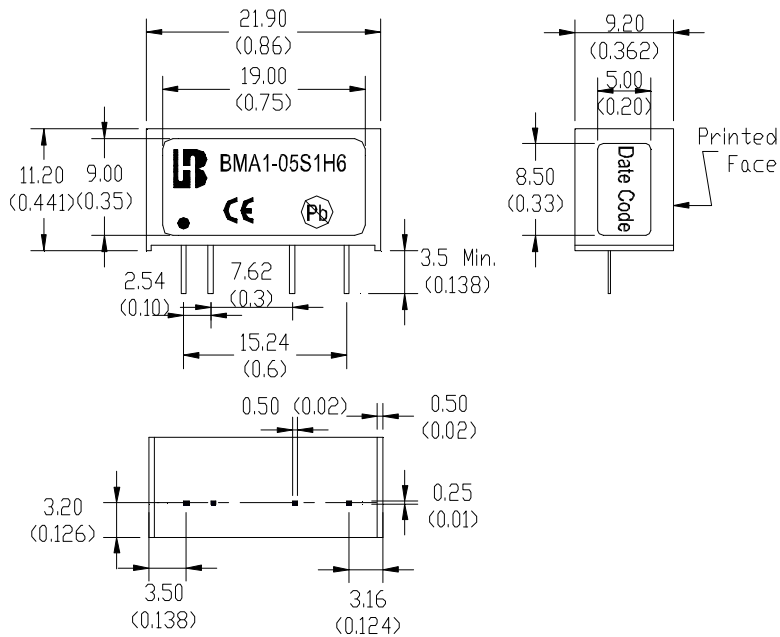
- (1). Line Regulation : Set output load to full load, Then adjust input voltage from 4.5Vdc to 5.5Vdc (10 % Change) , The output voltage difference must be within 13 % of the output at full load and nominal input.
- (2). Load Regulation : Set input voltage at 5V, Then changing Output load from 10 % to 100 % rated Load , The output voltage difference must be within 15 % of the output at full load and nominal input.

4. General Specification :

- 4.1. Isolation Voltage : 6000 Vdc Test duration 60 Seconds / 0.5mA
- 4.2. Isolation Resistance : 1 G Ω Min. @ 500 Vdc
- 4.3. Operating Temperature (1) : -40 $^{\circ}$ C ~ +85 $^{\circ}$ C @ Ambient Temperature with Natural convention
- 4.4. Operating Temperature (2) : -40 $^{\circ}$ C ~ +95 $^{\circ}$ C @ Case Surface Temperature
- 4.5. Storage Temperature : -55 $^{\circ}$ C ~ +105 $^{\circ}$ C
- 4.6. Humidity : Up to 90 %
- 4.7. Cooling : Free air convection
- 4.8. Case Type : Non-Conductive Plastic



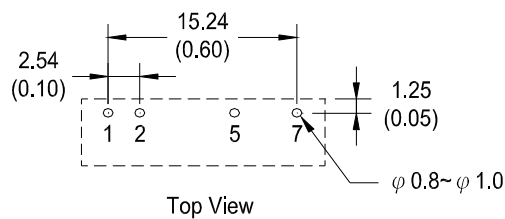
Mechanical Dimension :



Pin	6K Vdc - Single
1	+Vin
2	-Vin
3	---
4	---
5	Vo (-)
6	---
7	Vo (+)

Note : “---” means Omitted

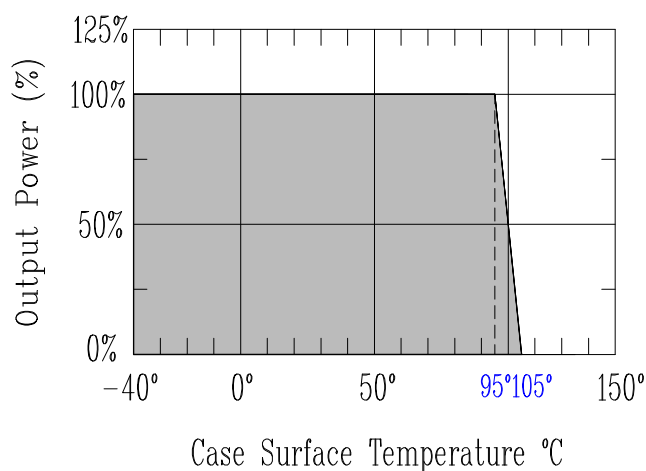
6. Recommended footprint details :



Units : mm (inch)

Tolerance : 0.xx ± 0.25 (0.xx ± 0.01)

7. Power Derating Curve :



8. Efficiency & Output Load Chart :

