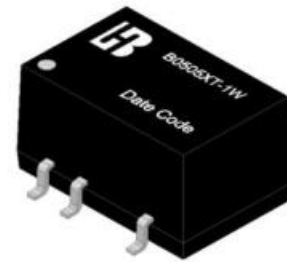


1. Features :

- 1.1. Low Ripple and Noise
- 1.2. Input / Output Isolation : 1500 Vdc
- 1.3. 100 % Burn-In
- 1.4. Net Weight : 1.4 g Typical
- 1.5. RoHS Converter Certified By SGS



2. Input Specifications :

- | | | |
|--------------------------|----------------------|--|
| 2.1. Input Voltage | : 4.5 ~ 5.5 Vdc | 5 Vdc \pm 10 % |
| 2.2. Max. Input Current | : 264 mA Max. | @ Vin = 5 Vdc and Output at Full Load. |
| 2.3. Quiescent Current | : 33 mA Typical | @ Vin = 5 Vdc and No Load. |
| 2.4. Input Ripple | : 100 mV Typical | @ Vin = 5 Vdc ,Output at Full Load ,No Input Electrolytic Capacitor and 20 MHz BW. |
| 2.5. Input Filter | : Internal Capacitor | |
| 2.6. Switching Frequency | : 100 KHz Typ. | @ Vin = 5 Vdc and Output at Full Load. |
| 2.7. Input Efficiency | : 75% Min. | @ Vin = 5 Vdc and 100 % Load. (75% Min) |

3. Output Specification :

- | | | |
|------------------------------|-------------------------------|--|
| 3.1. Output Voltage | : 5 Vdc | @ Vin = 5 Vdc and Output at Full Load. |
| 3.2. Output Voltage Accuracy | : \pm 5 % | |
| 3.3. Max. Output Current | : 200 mA | |
| 3.4. Min. Output Current | : 20 mA | |
| 3.5. Ripple | : 100mVp-p Max. | @ 20 MHz BW |
| 3.6. Line Regulation | : 1.2 %/ 1.0 % Max. | See Note (1). |
| 3.7. Load Regulation | : 15 % Max. | See Note (2). |
| 3.8. Max. Capacitive Load | : 220 μ F | |
| 3.9. Temperature Coefficient | : \pm 0.02 % / $^{\circ}$ C | |

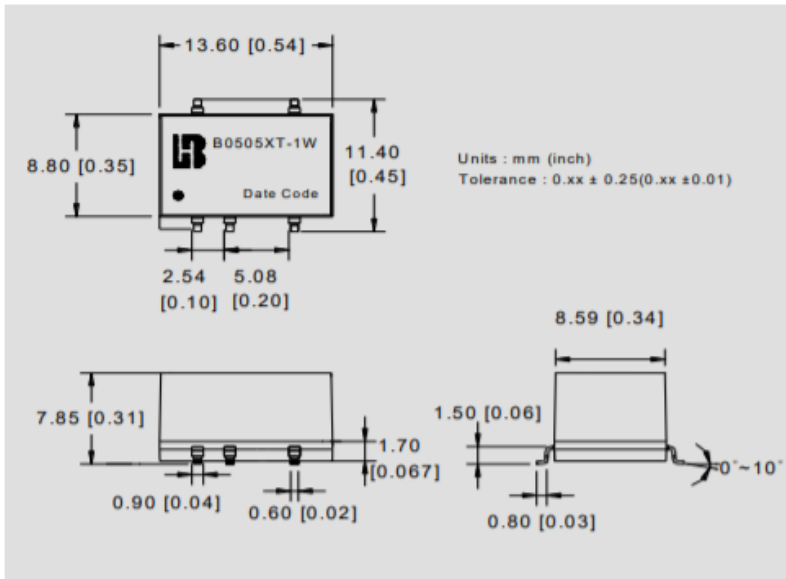
Note :

- (1). Line Regulation : Set output load to full load, Then adjust input voltage from 4.5 Vdc to 5.5 Vdc (10% change), The output voltage difference must be within 12% of the output at full load and nominal input.
- (2). Load Regulation : Set input voltage at 5 Vdc, Then changing the load current from 10 % to 100 % Max. Load. The output voltage difference must be within 15 % of the output at full load and nominal input.
- (3). All specification are typical at 25 $^{\circ}$ C unless otherwise state.

4. General Specification :

- | | | |
|--------------------------------|--|---|
| 4.1. Isolation Voltage | : 1500 Vdc | Test duration 60 Seconds / 0.5 mA |
| 4.2. Isolation Resistance | : 1000 M 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 ~ +125 $^{\circ}$ C | |
| 4.6. Humidity | : Up to 90 % | |
| 4.7. Cooling | : Free air convection | |
| 4.8. Case Type | : Non-Conductive Plastic | |

5. Mechanical Dimension :

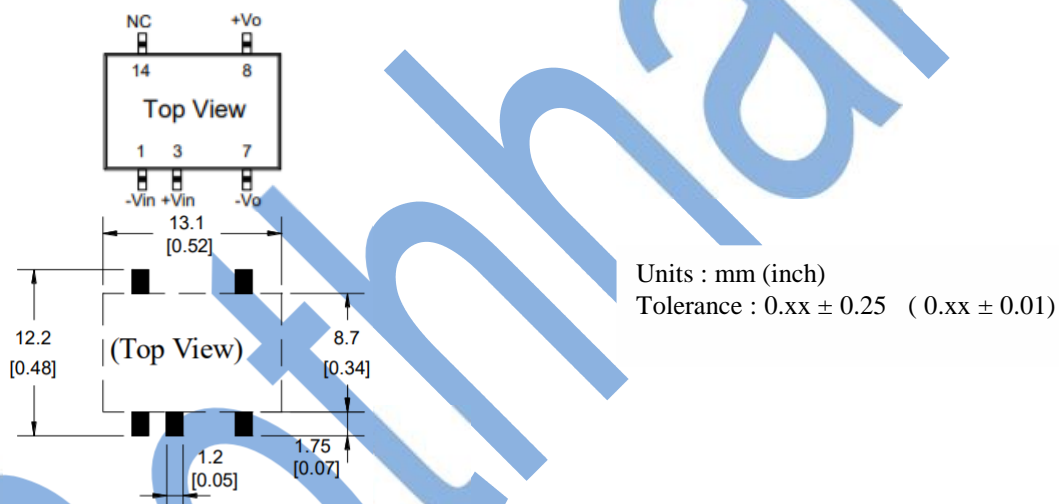


Pin	1.5KVdc - Single		Pin
1	-Vin	NC	14
3	+Vin	---	12
5	---	---	10
7	Vo(-)	Vo(+)	8

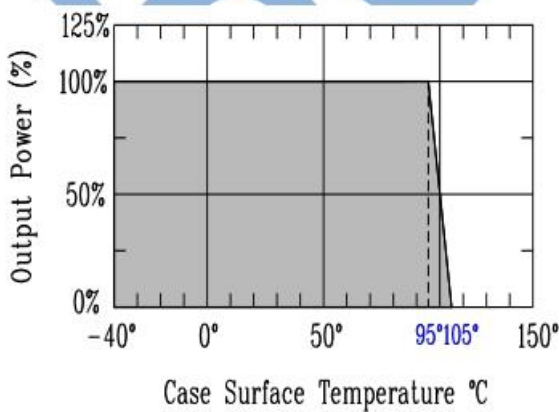
ote
:

“---” means Omitted

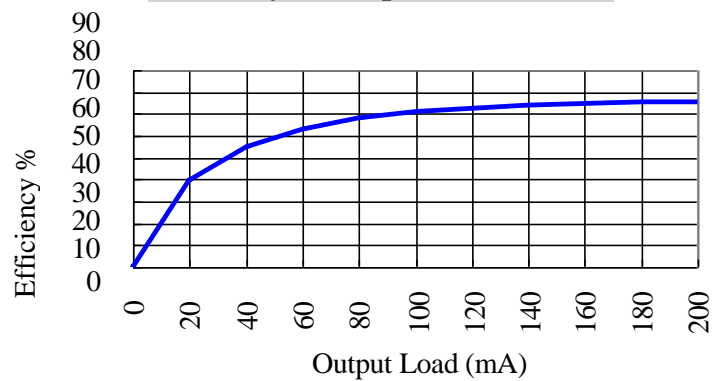
6. Recommended footprint details :



9. Power Derating Curve :



10. Efficiency & Output Load Chart :



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