

- Designed to meet UL1950 and IEC950 safety requirements
- S560-6600-T8 & S560-6600-K7 UL file number is E150991
- Operating temperature range: -40° C to +85° C
- Meets IEC 695, 2-2 flammability requirements
- PWB Process Capability: standard printed wiring board assembly techniques, total-immersion cleaning
- Reliability testing: shock, vibration, temperature cycling, temperature - humidity - bias

**ELECTRICAL SPECIFICATIONS AT 25° C**

| Part Number  | Package | Turns Ratio <sup>1</sup><br>± 2% | Inductance <sup>2</sup><br>µH ± 5% |                     | Leakage <sup>6</sup><br>Inductance <sup>1</sup><br>µH max | DCR<br>Ω<br>max |       |        |       | Direct<br>Capacitance<br>pF max        | Dielectric<br>Rating<br>Vrms min |
|--------------|---------|----------------------------------|------------------------------------|---------------------|---|-----------------|-------|--------|-------|--|----------------------------------|
|              |         | (1-5) : (10-6)                   | (1-5) <sup>3</sup>                 | (10-6) <sup>4</sup> | (1-5) <sup>5</sup>  | (1-4)           | (2-5) | (10-7) | (9-6) | between<br>(1-5) & (10-6) <sup>5</sup> | (1-5) &<br>(10-6) <sup>1</sup>   |
| S560-6600-T8 | SMD     | 1 : 1.4                          | 238                                | 475                 | 10  | 0.5             | 0.5   | 0.6    | 0.6   | 15                                     | 1500                             |
| 0560-6600-88 | THT     | 1 : 1.4                          | 225                                | 441                 | 10  | 0.4             | 0.4   | 0.5    | 0.5   | 15                                     | 1500                             |
| S560-6600-K7 | SMD     | 1 : 1.4                          | 225                                | 441                 | 10  | 0.4             | 0.4   | 0.5    | 0.5   | 15                                     | 1500                             |
| 0560-6600-T3 | THT     | 1 : 1.4                          | 225                                | 441                 | 10  | 0.4             | 0.4   | 0.5    | 0.5   | 15                                     | 1500                             |

1. connect terminals 2 to 4 & 7 to 9
2. measured at 10 kHz, 0.1 Vrms
3. connect terminals 2 to 4
4. connect terminals 7 to 9
5. short terminals 6, 7, 9, 10
6. measured at 100 kHz, 0.1 Vrms

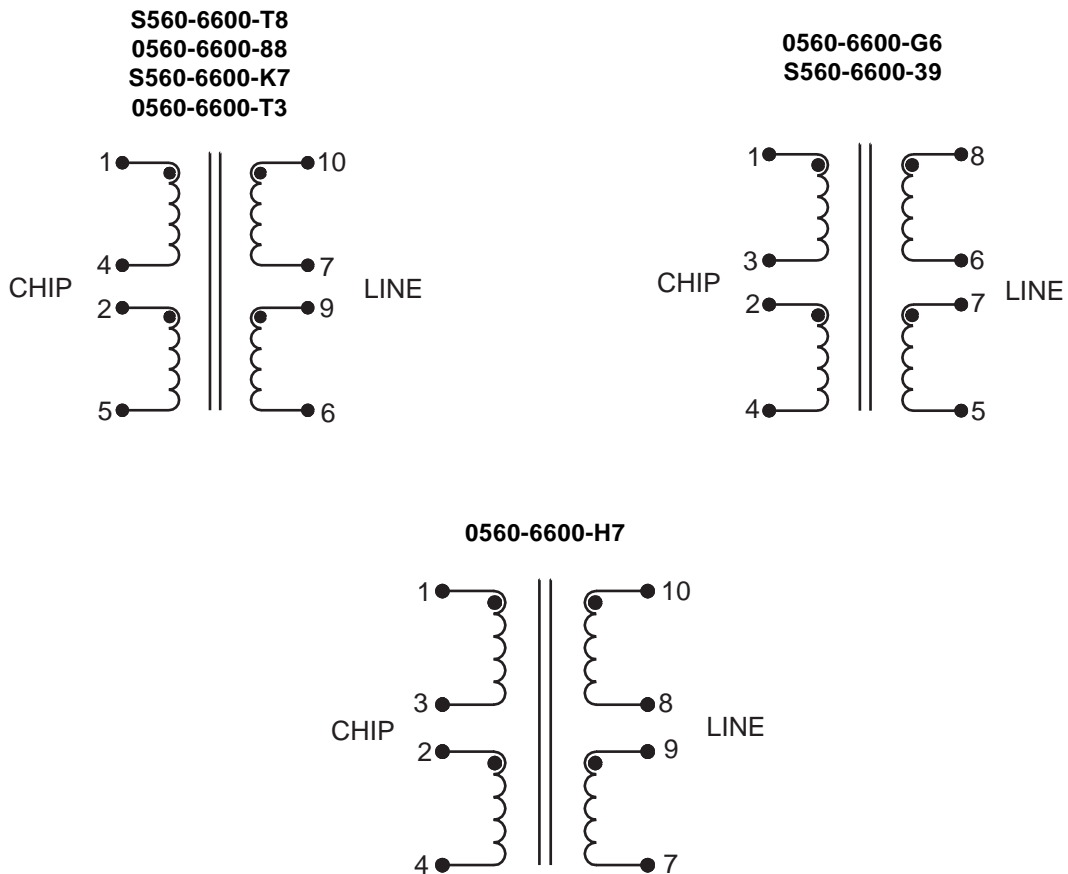
| Part Number  | Package | Turns Ratio <sup>1</sup><br>± 2% | Inductance <sup>2</sup><br>µH ± 5% |                     | Leakage<br>Inductance <sup>6</sup><br>µH max | DCR<br>Ω<br>max |       |        |       | Direct<br>Capacitance<br>pF max        | Dielectric<br>Rating<br>Vrms   |
|--------------|---------|----------------------------------|------------------------------------|---------------------|--|-----------------|-------|--------|-------|--|--------------------------------|
|              |         | (1-4) : (10-7)                   | (1-4) <sup>3</sup>                 | (10-7) <sup>4</sup> | (1-4) <sup>5</sup>                           | (1-3)           | (2-4) | (10-8) | (9-7) | between<br>(1-4) & (10-7) <sup>1</sup> | (1-5) &<br>(10-6) <sup>1</sup> |
| 0560-6600-H7 | THT     | 1 : 1.4                          | 225                                | 441                 | 10   | 0.4             | 0.4   | 0.5    | 0.5   | 15                                     | 1500                           |

1. connect terminals 2 to 3 & 8 to 9
2. measured at 10 kHz, 0.1 Vrms
3. connect terminals 2 to 3
4. connect terminals 8 to 9
5. connect terminals 2 to 3 & 8 to 9, short terminals 7, 8, 9, 10
6. measured at 100 kHz, 0.1 Vrms

| Part Number  | Package | Turns Ratio <sup>1</sup><br>± 2% | Inductance <sup>2</sup><br>µH ±5% |                    | Leakage<br>Inductance <sup>6</sup><br>µH max | DCR<br>Ω<br>max |       |                |              |       |              | Direct<br>Capacitance<br>pF max       | Dielectric<br>Rating<br>Vrms  |
|--------------|---------|----------------------------------|-----------------------------------|--------------------|--|-----------------|-------|----------------|--------------|-------|--------------|---------------------------------------|-------------------------------|
|              |         | (1-4) : (8-5)                    | (1-4) <sup>3</sup>                | (8-5) <sup>4</sup> | (1-4) <sup>5</sup>                           | (1-3)           | (1-4) | (2-4)          | (7-5)        | (8-5) | (8-6)        | between<br>(1-4) & (8-5) <sup>1</sup> | (1-4) &<br>(8-5) <sup>1</sup> |
| S560-6600-39 | SMD     | 1 : 1.4                          | 225                               | 441                | 5  | 0.45 -<br>0.65  | -     | 0.45 -<br>0.65 | 0.6 -<br>0.8 | -     | 0.6 -<br>0.8 | 20                                    | 1500                          |
| 0560-6600-G6 | THT     | 1 : 1.4                          | 225                               | 441                | 10   | -               | 1.4   | -              | -            | 2.25  | -            | 33.5                                  | 1500                          |

1. connect terminals 2 to 3 & 6 to 7
2. measured at 10 kHz, 0.1 Vrms
3. connect terminals 2 to 3
4. connect terminals 6 to 7
5. short terminals 5, 6, 7, & 8, connect terminals 2 to 3 & 6 to 7
6. measured at 100 kHz, 0.1 Vrms

### SCHEMATIC



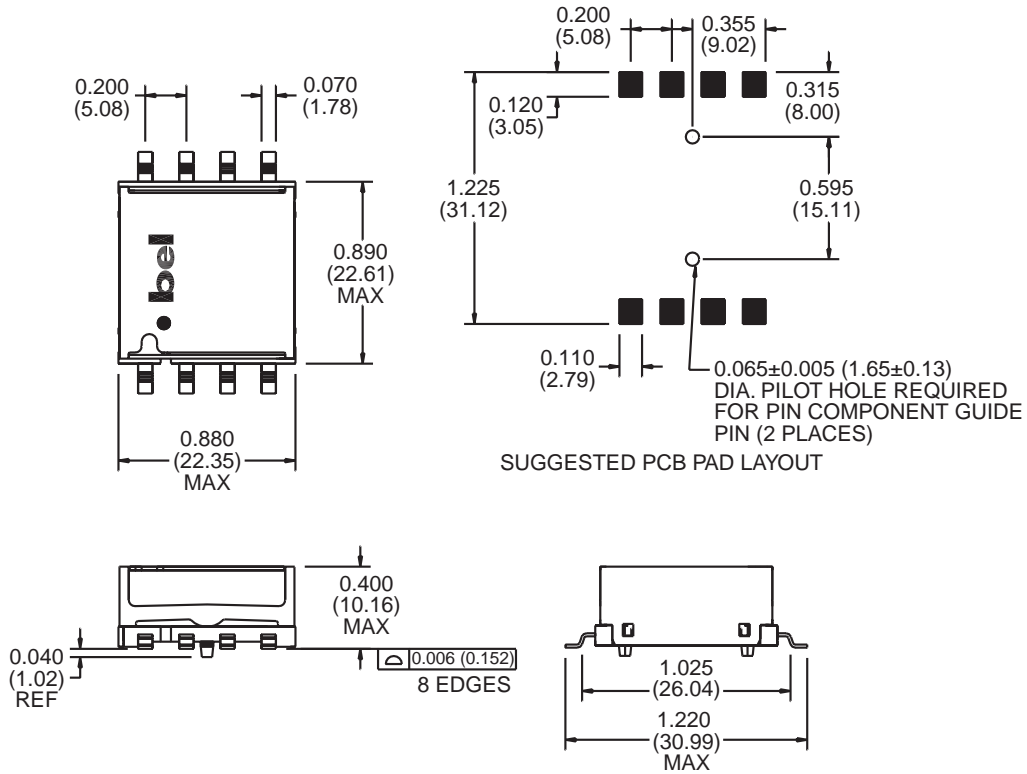
# ADSL Magnetics GlobeSpan ADSL DMT CO



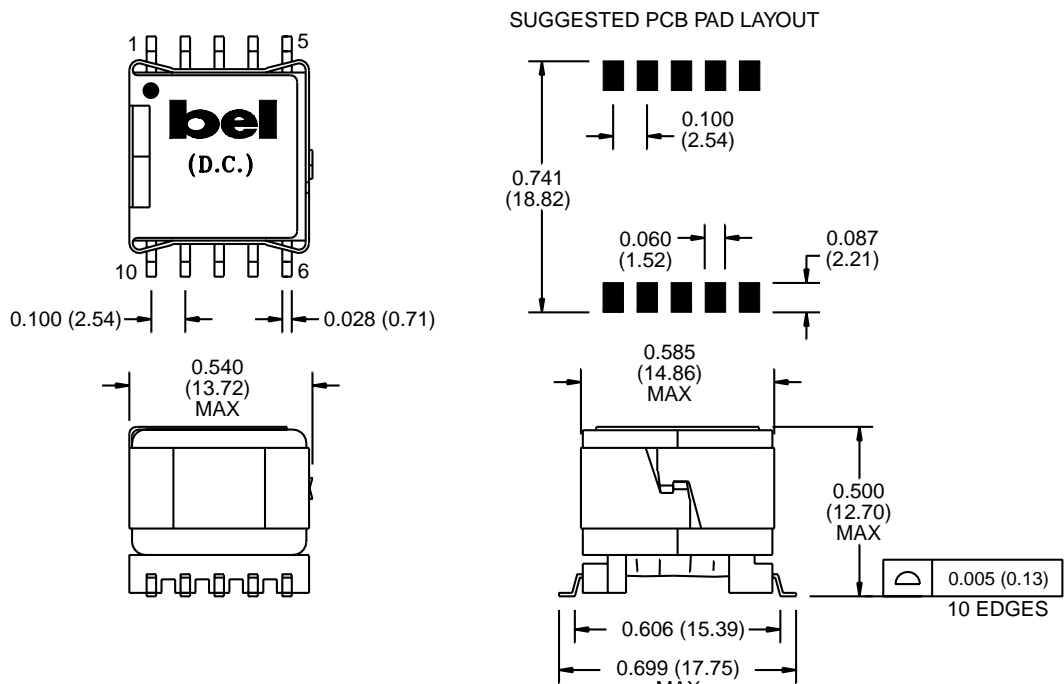
TM00310

## MECHANICAL

S560-6600-39



S560-6600-T8  
S560-6600-K7



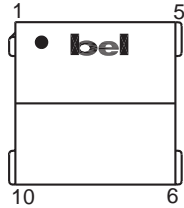
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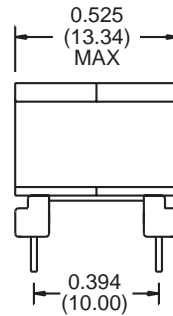
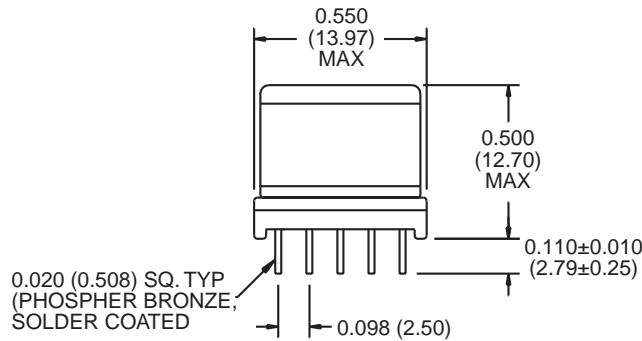
T3-37

### MECHANICAL

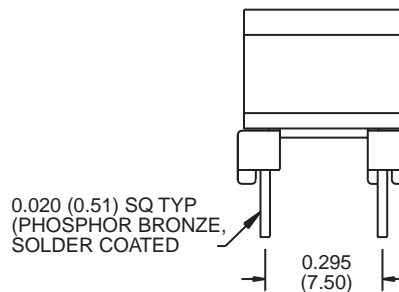
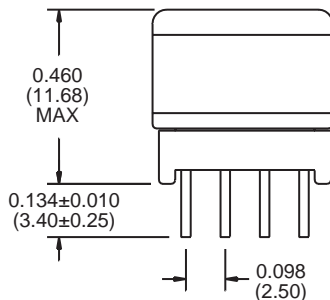
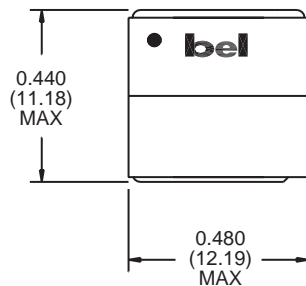
0560-6600-88  
0560-6600-H7  
0560-6600-T3'



1. Pin #3 omitted from 0560-6600-T3.



0560-6600-G6



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