

Ordering Code: EL10G-245428-BI

## 10G BASE SINGLE PORT TRANSFORMER

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- Design for 10G POE application, meet IEEE802.3bt standard
- IEEE 802.3bt complying performance, 1A current capability.
- RoHS compliant and Halogen Free.
- Operating temperature range:-40°C to +85°C.
- Storage temperature range:-40°C to +85°C.

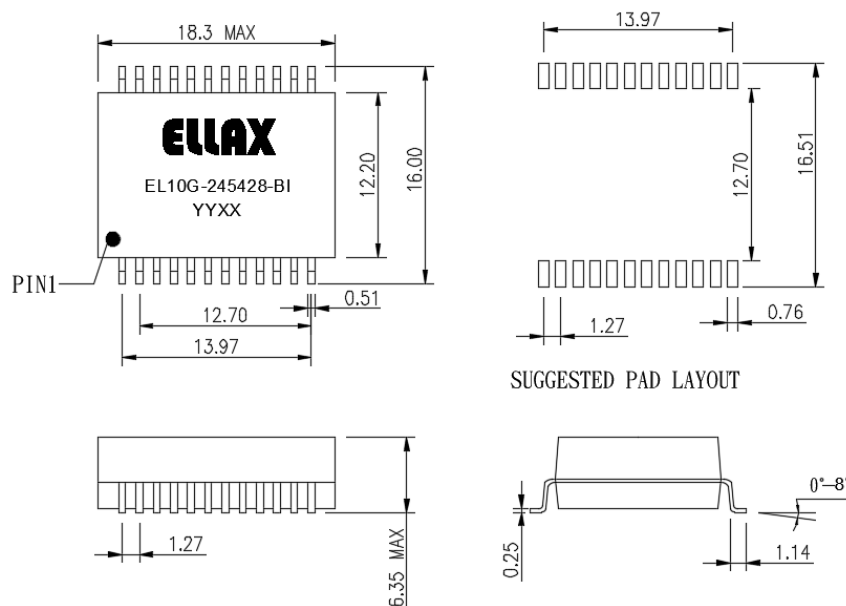
### Electrical Specifications @ 25°C

| Part Number     | Turns Ratio<br>(±2%) | OCL(μH Min)<br>@100KHz/0.1V | Insertion Loss<br>(dB Max) |                | DCMR<br>(dB Min) |                | HI-POT<br>(Vrms) |
|-----------------|----------------------|-----------------------------|----------------------------|----------------|------------------|----------------|------------------|
|                 |                      |                             | 1-150<br>MHz               | 200-400<br>MHz | 1-250<br>MHz     | 250-500<br>MHz |                  |
| EL10G-245428-BI | 1CT:1CT              | 160                         | -1.0                       | -2.0           | -30              | -22            | 1500             |

### Continue

| Part Number     | Return Loss<br>(dB Min) |                |            |            | Cross Talk<br>(dB Min) |                | CMRR<br>(dB Min) |                |                |
|-----------------|-------------------------|----------------|------------|------------|------------------------|----------------|------------------|----------------|----------------|
|                 | 1-100<br>MHz            | 200-300<br>MHz | 400<br>MHz | 500<br>MHz | 1-100<br>MHz           | 100-500<br>MHz | 1-100<br>MHz     | 100-300<br>MHz | 300-500<br>MHz |
| EL10G-245428-BI | -18                     | -12            | -11        | -8         | -40                    | -30            | -35              | -30            | -25            |

### Mechanicals:



Units:mm Tolerances XX.X0:±0.25mm  
0.XX:±0.05mm

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Schematics:

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