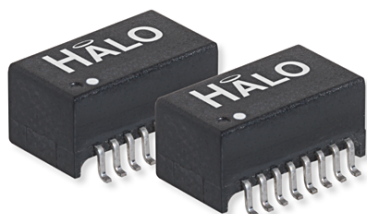


# RP-ULTRA™ PoE/PoE+ Transformers

SMD Single Port 10/100BASE-TX PoE/PoE+ Transformer



## Product Features:

- RP-ULTRA™
- IEEE802.3af/at Compliant
- UL/EN60950 Recognized
- 100% Compliance Testing
- 1500Vrms Hi-Pot
- Patented Open Frame Construction

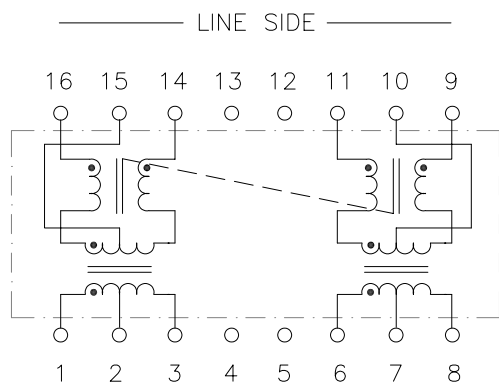
| Part Number                 | Circuit | PoE  | Temp. Range  | 1-30MHz | Return Loss (min) |       | Insertion Loss (max) |        | Compliance |
|-----------------------------|---------|------|--------------|---------|-------------------|-------|----------------------|--------|------------|
|                             |         |      |              |         | 40MHz             | 50MHz | 60-80MHz             |        |            |
| TG110-RP55N5LF <sup>1</sup> | A       | PoE  | 0 to 70°C    | -18dB   | -16dB             | -13dB | -12dB                | -1.1dB | Pb-Free    |
| TG110-RP55N5RL              | A       | PoE  | 0 to 70°C    | -18dB   | -16dB             | -13dB | -12dB                | -1.1dB | RoHS (7a)  |
| TG110-RPE5N5LF <sup>1</sup> | A       | PoE  | -40 to +85°C | -18dB   | -16dB             | -13dB | -12dB                | -1.1dB | Pb-Free    |
| TG110-RPE5N5RL              | A       | PoE  | -40 to +85°C | -18dB   | -16dB             | -13dB | -12dB                | -1.1dB | RoHS (7a)  |
| TG110-HPE7N5LF <sup>1</sup> | B       | PoE+ | -40 to +85°C | -18dB   | -14dB             | -12dB | -10dB                | -1.1dB | Pb-Free    |

<sup>1</sup> Recommended for new designs

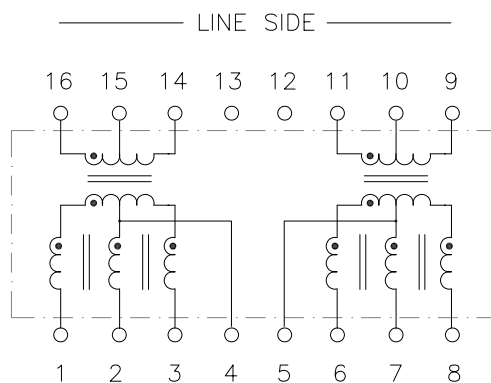
Notes:

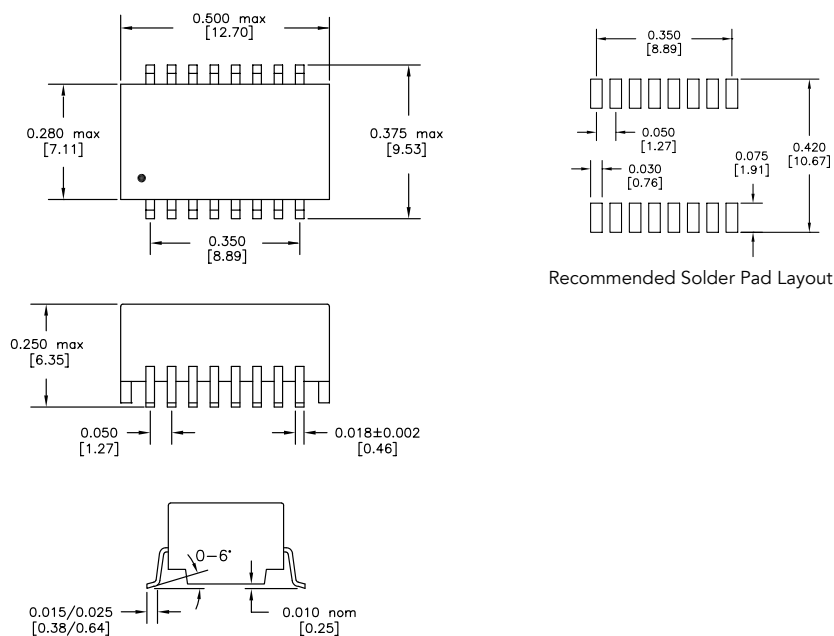
Please contact the factory or representative for individual datasheets or additional information

Circuit A



Circuit B





Dimensions: inch [mm]  
Co-Planarity: 0.004 [0.10]

US Patent Numbers:  
5,656,985 6,297,721 B1  
6,297,720 B1 6,320,489 B1  
6,344,785 B1 6,662,431 B1



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