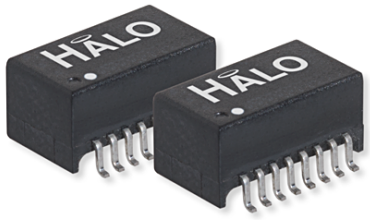
RP-ULTRA™ PoE/PoE+ Transformers

SMD Single Port 10/100BASE-TX PoE/PoE+ Isolation Modules

HALO ELECTRONICS, INC.



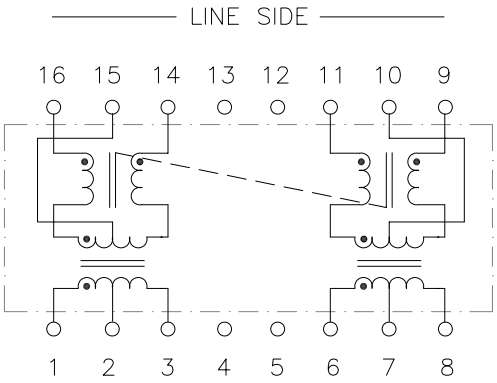
Product Features:

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

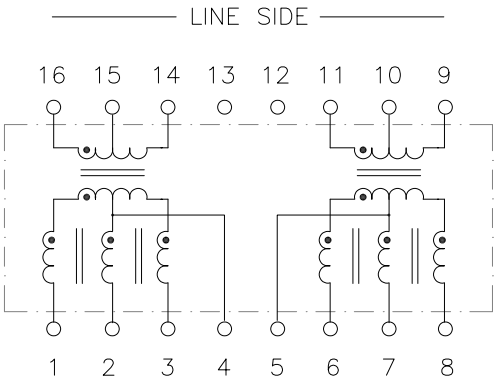
Part Number	Circuit	PoE	Temp. Range	Return Loss (min) 1-30MHz	40MHz	50MHz	60-80MHz	Insertion Loss (max)	RoHS[1]
TG110-RP55N5LF	A	PoE	0 to 70°C	-18dB	-16dB	-13dB	-12dB	-1.1dB	Pb-Free
TG110-RP55N5RL	A	PoE	0 to 70°C	-18dB	-16dB	-13dB	-12dB	-1.1dB	RoHS (7a)
TG110-RPE5N5LF	A	PoE	-40 to +85°C	-18dB	-16dB	-13dB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

Notes:
1. Pb-Free parts are RoHS 6/6 compliant. RoHS (7a) parts contain lead per exemption 7a which is set to expire in July 2016.
2. Parts with RL suffix are not recommended for new designs.
3. Contact the factory or your representative for individual datasheets or additional information.

Circuit A

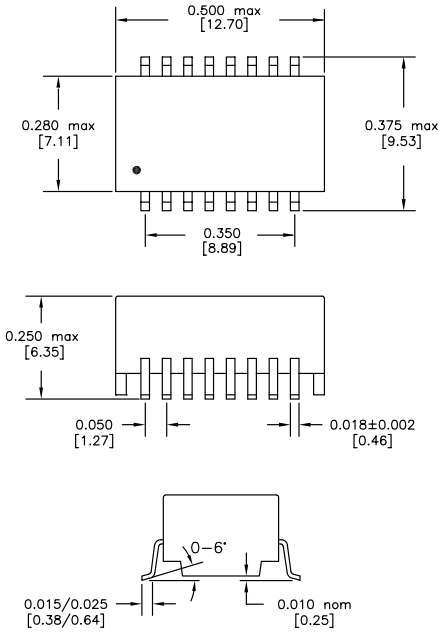


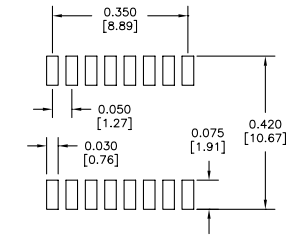
Circuit B



For additional information contact your local representative, or HALO's support staff at (650) 903-3800 or info@haloelectronics.com

Mechanical





Recommended Solder Pad Layout

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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HALO® Electronics is a leading supplier of high quality communication magnetics including signal transformers, filters, CMR chokes, PoE power transformers, DC/DC isolation modules, and integrated Ethernet connectors. HALO's high quality and competitively priced leading edge technology solutions are manufactured in ISO9001 and ISO14001 factories.

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