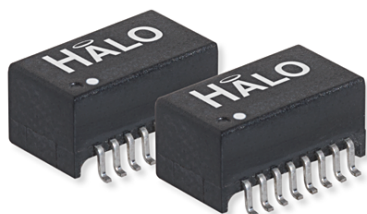


RP-ULTRA™ PoE/PoE+ Transformers

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

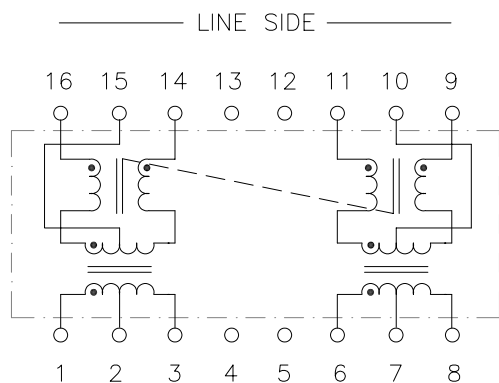
Part Number	Circuit	PoE	Temp. Range	1-30MHz	Return Loss (min)			Insertion Loss (max)	Compliance
					40MHz	50MHz	60-80MHz		
TG110-RP55N5LF ¹	A	PoE	0 to 70°C	-18dB	-16dB	-13dB	-12dB	-1.1dB	Pb-Free
TG110-RP55N5RL	A	PoE	0 to 70°C	-18dB	-16dB	-13dB	-12dB	-1.1dB	RoHS (7a)
TG110-RPE5N5LF ¹	A	PoE	-40 to +85°C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

¹ Recommended for new designs

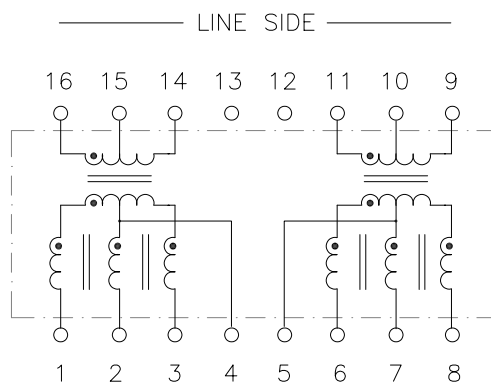
Notes:

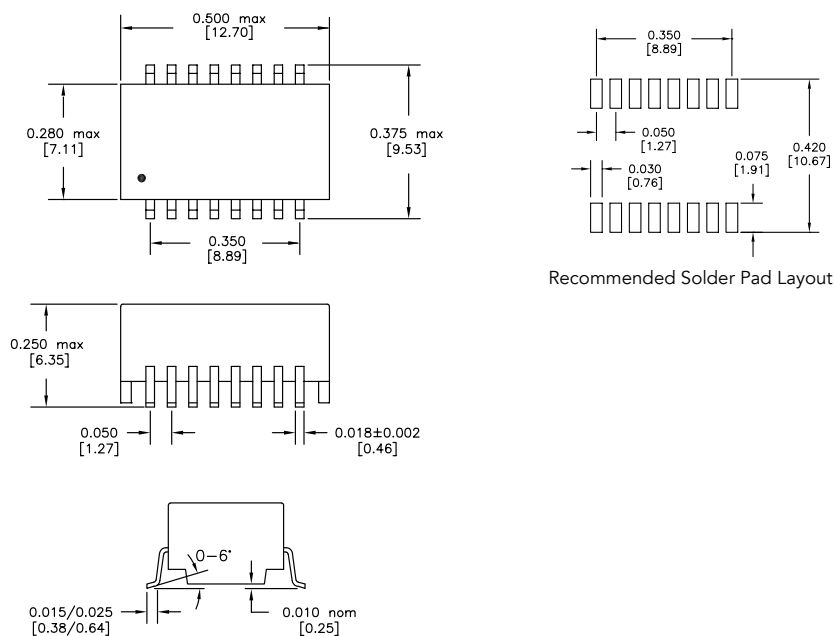
Please contact the factory or representative for individual datasheets or additional information

Circuit A



Circuit B





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



2880 Lakeside Drive #116
Santa Clara, CA 95054
(650) 903-3800
www.haloelectronics.com

HALO® Electronics is a leading supplier of high quality communication magnetics including signal transformers, filters, CMR chokes, PoE power transformers, DC/DC converters, and integrated Ethernet connectors. HALO's leading edge technology solutions are manufactured in ISO9001 and ISO14001 factories offering high quality products at a competitive price.