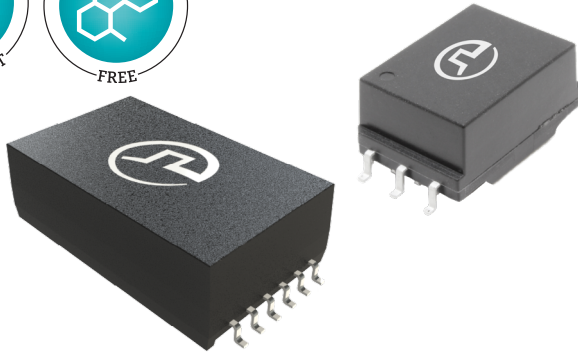




- Single Channel or Single Port (Dual channel)
- High Voltage breakdown 10KVac / 60seconds
- Meets IEEE802.3u for 100Base-TX
- Basic Insulation IEC62368-1 @ 1500Vdc
>11mm Clearance, >15mm Creepage
- Supports IsoSPI for BMS solutions
- Supports 100Base-T1 for Industrial STPE
- Operating Temperature: - 40°C to +85°C

Electrical Specifications 25°C - Isolation Breakdown 10KVDC / 60Seconds

Part Number	Open Inductance (μ H MIN)	Insertion Loss (dB MAX)			Return Loss (dB MIN)			Crosstalk (TX-RX) (dB MIN)			Common Mode Rejection (dB MIN)		
	100kHz, 0.1Vrms, 8mADC	0.1-30MHz	60-80MHz	100MHz	5MHz	30-60MHz	100MHz	30MHz	60MHz	100MHz	10MHz	60MHz	100MHz
HXE1001HL*	350	-1.0	-3.0	-4.0	-18	-4.5	-2	-	-	-	-30	-24	-20
HXE1002HL*	350	-1.0	-3.0	-4.0	-18	-4.5	-2	-30	-27	-25	-30	-24	-20

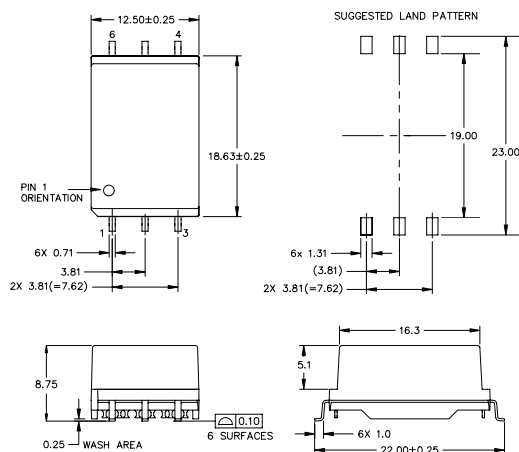
Electrical Specifications 25°C - Isolation Breakdown 10KVAC / 60Seconds

	100kHz, 0.1Vrms, 8mADC	0.1-5MHz	6-20MHz	40MHz	1-4MHz	4-10MHz	20MHz	3MHz	6MHz	20MHz	2MHz	30MHz	100MHz
HXE1003HL	200	-0.6	-2.0	-3.0	-18	-12	-8	-20	-15	-12	-25	-15	-12

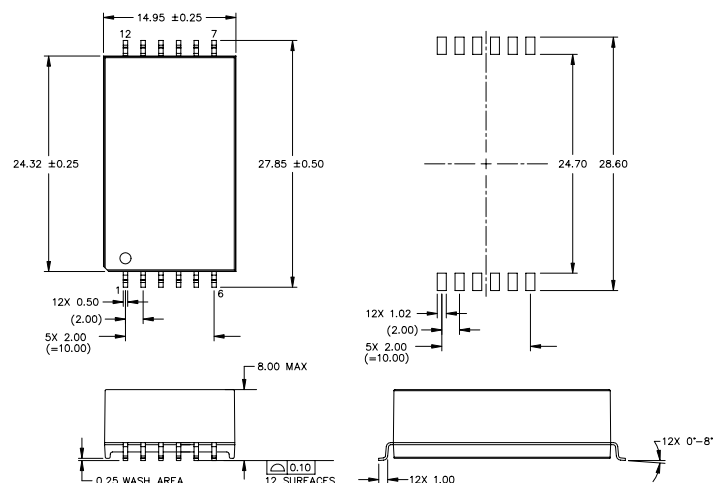
Notes: * These Parts have been designed to meet BASIC Insulation per IEC62368-1, Working Voltage 1500VDC, Creepage >11mm, Clearance >15mm

Mechanicals

HXE1001HL



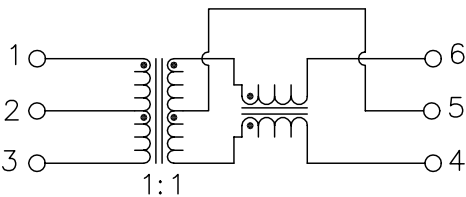
HXE1002HL, HXE1003HL



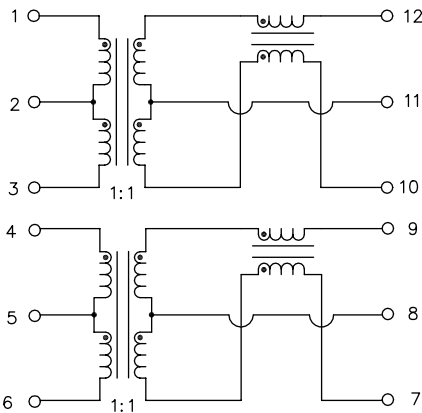
Dimensions: Inches (mm)
Unless otherwise specified, all tolerances are ±.010 (0.25)

Schematics

HXE1001HL



HXE1002HL, HXE1003HL



Tape & Reel

HXE100xHLT

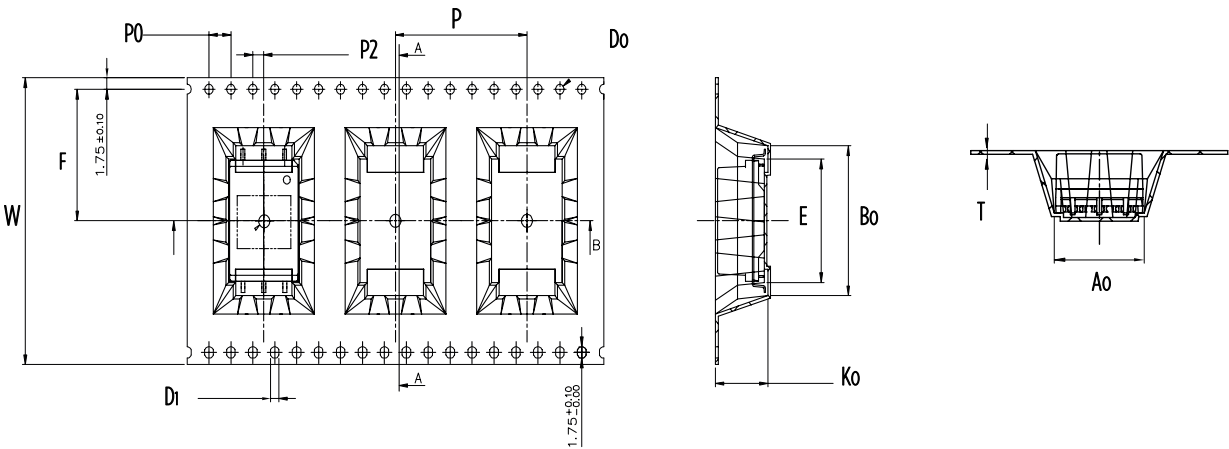


Table with 13 columns: Item, W, A0, B0, K0, P, F, E, D0, D1, P0, P2, T. It contains two rows of data for HXE1001HLT and HXE1002HLT/HXE1003HLT.

For More Information:
Americas - prodinfo_network_americas@yageo.com | Europe - prodinfo_network_emea@yageo.com | Asia - prodinfo_network_asia@yageo.com
Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright, 2025. Pulse Electronics, Inc. All rights reserved.
YAGEO Corporation and its affiliates do not recommend the use of commercial or automotive grade products for high reliability applications or manned space flight.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Audio Transformers](#) / [Signal Transformers](#) ***category:***

Click to view products by [Pulse](#) ***manufacturer:***

Other Similar products are found below :

[MGPWT-00449-P](#) [PE-64961](#) [1879479-1](#) [PA1528ANL](#) [T1137NLT](#) [PE-65848FNLT](#) [TG1G-E201NV6LF](#) [MGPWT-00059-P](#) [MGPWT-00266-P](#) [TTC-100](#) [100213](#) [T1142NL](#) [TG1G-S001NZLF](#) [1879732-1](#) [2-1879391-5](#) [H0013FNL](#) [H5004NLT](#) [T5008NLT](#) [PE-68517T](#) [TG111-E212NWLFR](#) [CX2024NL](#) [PE-69011NLT](#) [CX2043LNLT](#) [H1259NLT](#) [TX1344NLT](#) [H0013NLT](#) [S558-5500-JV](#) [T7015NL](#) [MGPWT-00334-P](#) [MGPWT-00401-P](#) [TX1266NL](#) [TX1266NLT](#) [HX2305NL](#) [H16101MC](#) [TG1G-E220NWLF](#) [S558-5500-72](#) [C2267NL](#) [BX4550NL](#) [X4BD40L1-5050G](#) [G2426S](#) [G2415S](#) [H1691CE](#) [G2405CE](#) [EP-286SG](#) [GJ2011E](#) [G5002CG](#) [MA020G00](#) [GA021G00](#) [H1692CE-A](#) [QA021G00](#)