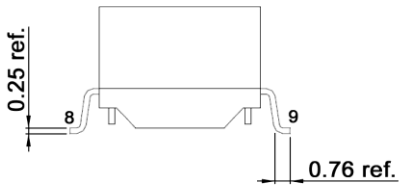
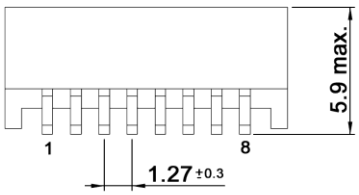
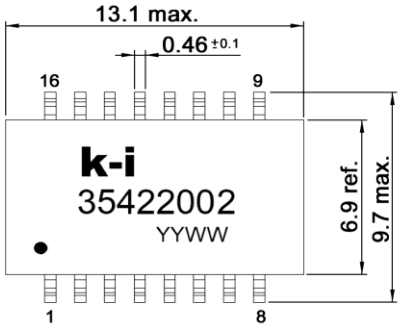
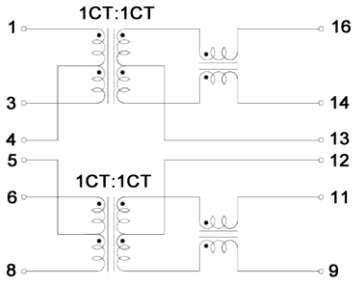


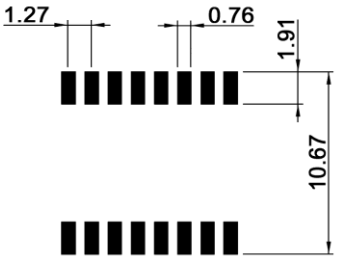




SCHEMATIC



P.C.B. LAYOUT



Compliance: RohS III (2015/863/EU)

tolerances	**knitter-inductive**	Product Data-sheet	**2 16 08** page 1/2
	drawn: D. Rauschert, 05/23	**Transformer**	
	approved: C.Schmid, 05/23		
	Part Number	**ICST35422002SHAST61**	
date: modification, name			

Specifications:

Topology:	LAN Transformer for End-span PoE applications with 600mA current capability
Inductance OCL (100 kHz, 0.1 V, 8 mA DC Bias):	350 µH min.
Leakage Inductance (100 kHz, 0.1 V):	0.50 µH max.
Interwinding Capacitance (100 kHz, 0.1 V):	35.0 pF max.
DC Resistance:	1.2 Ohm
Turns Ratio:	1CT:1CT
Insertion Loss (1-100 MHz):	-1.0 dB max.
Return Loss (1-30 MHz):	-18.0 dB min.
Return Loss (40 MHz):	-16.0 dB min.
Return Loss (50 MHz):	-16.0 dB min.
Return Loss (60-100 MHz):	-10.0 dB min.
Cross Talk (1-100 MHz):	-33.0 dB min.
CCMR (1-60 MHz):	-35.0 dB min.
CCMR (60-100 MHz):	-30.0 dB min.
Isolation HI-POT:	1500 V AC, 1 mA for 2 sec.
Operating Temperature:	-40°C to +85°C
Materials:	Casing: SMD, 8+8 Pin, Phenolic, UL94V-0, E41429, E59481, E150608 Core: Ferrite, Mn-Zn and Ni-Zn Wire: PU-enamelled copper, QPN, Class H, E234867, E255839, E331840 Varnish: Varnish, E314793, E335405 Tin: Sn99.3Cu0.7 or Sn99Ag0.3Cu0.7
Terminal coplanarity:	0.15 mm max.
Weight:	0.7 g / pc. ref.
Packaging:	600 pcs. / reel

Compliance: RohS III (2015/863/EU)

tolerances	**knitter-inductive**	Product Data-sheet	**2 16 08** **page 2/2**
	drawn: **D. Rauschert, 05/23**	**Transformer**	
	approved: **C.Schmid, 05/23**		
	Part Number	**ICST35422002SHAST61**	
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