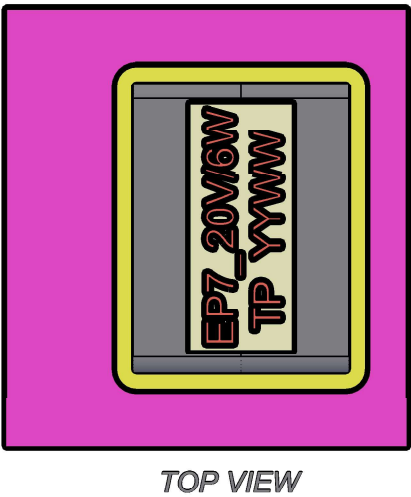
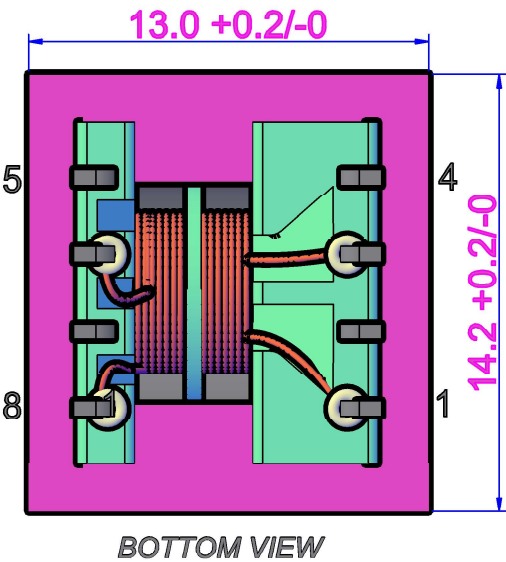
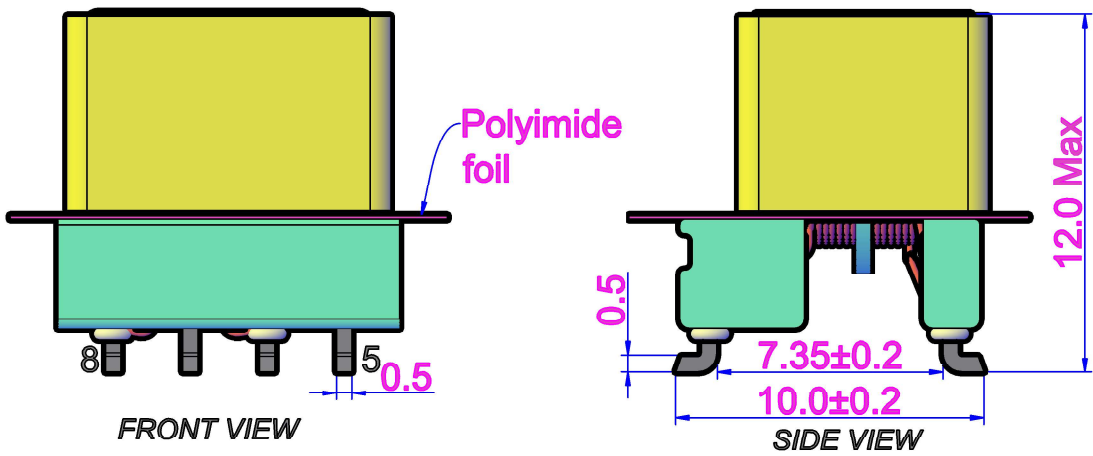
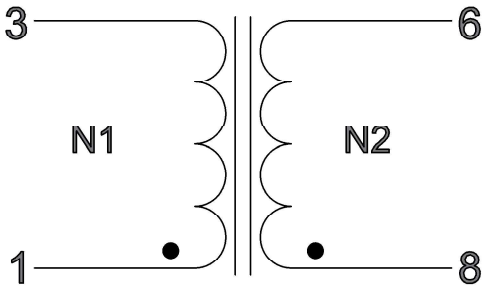


APPEARANCE & DIMENSIONS (UNIT: mm)

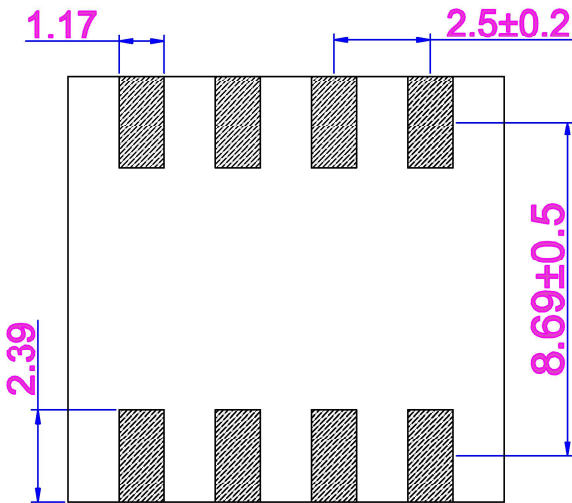


Electrical diagram



• WINDING START

Recommended Land Pattern: [mm]



1. WINDING SPECIFICATIONS

No.	Pins	Turns	Wire	Winding method
N1	1-3	7	UEW/155°C Ø0.18mmx2P	
N2	8-6	6	FIW4 Ø0.18mmx2P	

2. ELECTRICAL CHARACTERISITICS @20-25°C

PARAMETER	TEST CONDITONS	VALUE
INDUCTANCE 1-3 & 8-6	10.0KHz, 0.1V, Ls	50uH Min.
LEAKAGE INDUCTANCE	100.0KHz, 0.1V, Ls (short Pin8,6)	1.95uH Max.
DC RESISTANCE 1	TH2512B	85mΩ Max
DC RESISTANCE 2	TH2512B	85mΩ Max
TURNS RATIO	N1:N2	1.2:1 ±2%
Interwinding Capacitance	100 kHz/ 10 mV N1=N2	3.0pF typ.
DIELECTRIC Core to Coil	4.0KVAC/2S /50Hz	3mA

Materials:

- Ferrite core: EP7 HPP-95
- Bobbin: SMD EP7(4+4)pins PM-9630;
- Spacer : LxWxT=13x14.2x0.1mm Polyimide film;
- Epoxy glue: 808A/B-H
- Cu_wire: Ø0.18mm 1UEW/155°C SAINT
- Cu_wire: Ø0.18mm FIW4 P180 ELEKTRISOLA
- Polyester tape: 0.025x6.5mm 3M

Notes:

- Termination & Soldering : Lead free of solder.
- Assembly : Fix the magnetic core with tape.

GENERAL SPECIFICATIONS:

max.operating temperature: Top=-40°C...+125°C
ambient temperature: Ta = -40°C...+70°C
storage temperature: Tst = -40°C...+85°C

REV.	DESCRIPTION / REASON	DATE	ITEM DESCRIPTION	EP7_24V/20/6W
A	First issued	2026.09.27	Hi-Power P/N	O-26129-1
			CHECKED	DESIGED Jack.Y
			REV.	DATE 2026.09.27

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