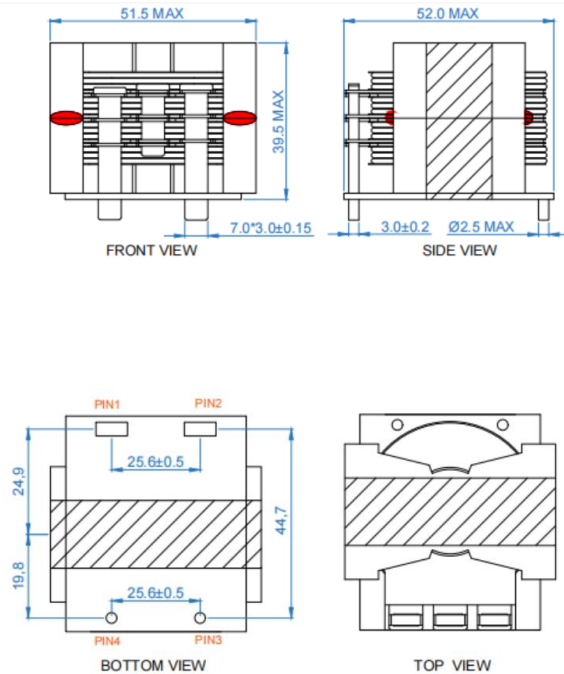




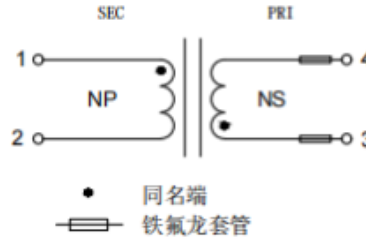
Doc.no:	S-002_06
Version:	V1.0
Last updated:	2024.03.19

A – Dimensions: [mm]



B – Recommended land pattern:

C – Schematic



D – Electrical Properties:

Properties	Test conditions		Value	Unit	Tol.
Inductance	10 kHz/1V	L	5.8	mH	Min.
Turns ratio		n	15 : 1		
DC Resistance	3 - 4	Rdc	48mΩ		Max
	1 - 2	Rdc	0.5mΩ		Max
Leakage inductance	100 kHz/1V	Ls	8	uH	Ref.
Insulation voltage	Pri – Sec	Ut	3000	V(AC)	

E – Application Properties:

Properties		Value	Unit
Input voltage	Ui	385 – 420	V (DC)
Output voltage	Uo	24	V
Output current	Io	80+	A
Switching frequency	fswitch	65 – 300	kHz

F – General information:

It is recommended that the temperature of the part does not exceed +125°C under worst case conditions.

- Storage Temperature: - 20°C to 60 °C
- Operating Temperature: - 40°C to 125 °C
- Test conditions of Electrical Properties: 20°C, 40% RH

REV.	Description/Reason	Date
A	Created.	2025.11.17

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Item Description	SMPS Trafo 2kW PQ5035 Lp=5.8mH	
Hipower P/N	O-25142	
Revision	Designed by	Approved by
A	Jack	Jerome