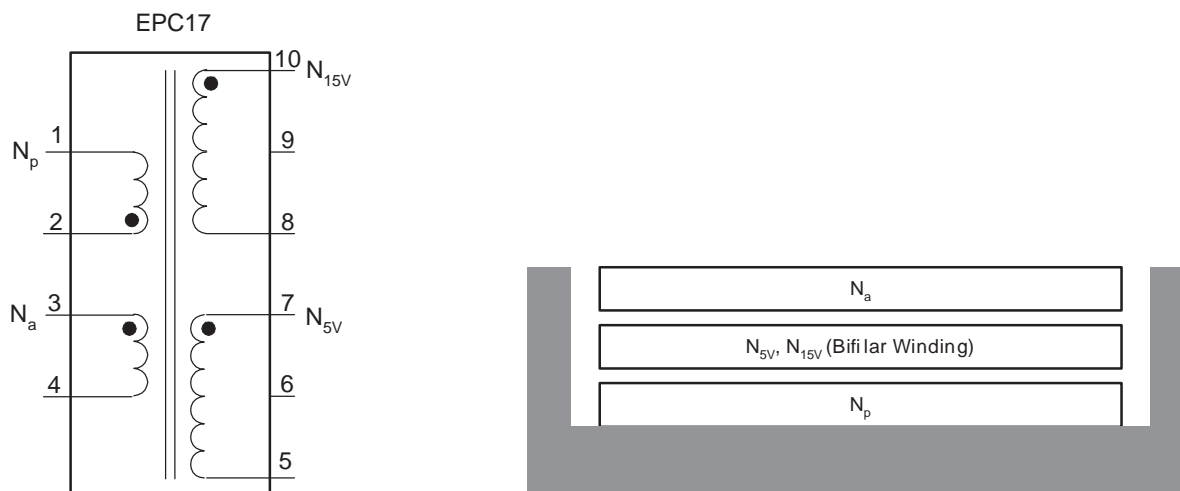


2. Transformer

2.1. Transformer Schematic Diagram



2.2. Winding Specification

	Pin (S → F)	Wire	Turns	Winding Method
N_p	1 → 2	0.16Φ x 1	145	Solenoid winding
Insulation: Polyester Tape t = 0.05mm, 2 Layers				
N_a	3 → 4	0.3Φ x 1	30	Solenoid winding
Insulation: Polyester Tape t = 0.05mm, 2 Layers				
N_{5V}^{*1}	7 → 5	0.3Φ x 1	12	Solenoid winding
Insulation: Polyester Tape t = 0.025mm, 3 Layers				
N_{15V}^{*2}	10 → 9	0.2Φ x 1	34	Solenoid winding
Insulation: Polyester Tape t = 0.025mm, 3 Layers				

Core: EPC17 ($A_e = 22.8\text{mm}^2$)

Bobbin: BEPC17

*1, *2: Bifilar Winding

2.3. Electrical Characteristics

	Pin	Spec.	Remark
Inductance	1-2	4.2 mH	1kHz, 1V
Leakage	1-2	50 μH	Short all other pins

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