



Planar Transformer-TPP Series

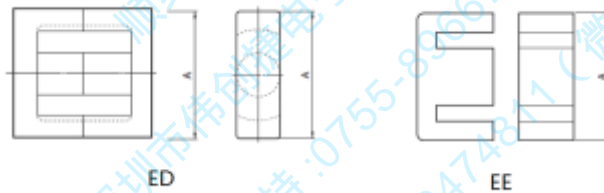
Operating Temp. : -40°C~+125°C

PRODUCT IDENTIFICATION

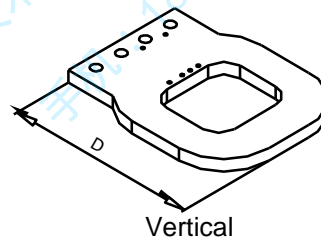
T ①	P ②	P ③	ED ④	18 ⑤	21 ⑥	10 ⑦	C ⑧	3 ⑨	01 ⑩	P ⑪
① Type T Transformer	② Structure P PCB Planar	③ Feature Code P For Power	④ Core Type ED/EE etc.	⑤ Core Size Typ. (Refer to Mark A in Fig.1) 18 18mm	⑥ PCB Size of Pin Direct Typ. (Refer to Mark D in Fig.2) 21 21mm	⑦ Product Height Typ. (Refer to Mark H in Fig.3) 10 10mm	⑧ Style C Vertical & Pin D Vertical & SMD	⑨ Number of Coil 1~9	⑩ Design Code 00~99, A0~Y9	⑪ Packing P--Pallet, B--Bulk

SHAPE AND DIMENSIONS

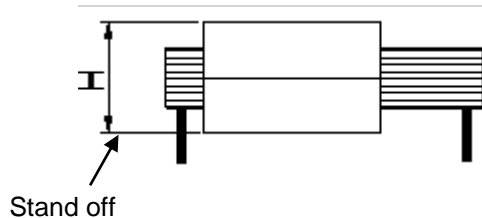
Core Type & Core A Size Fig. 1



PCB Size of Pin Direct Fig. 2



Product Height Fig. 3



Planar Transformer

FEATURES

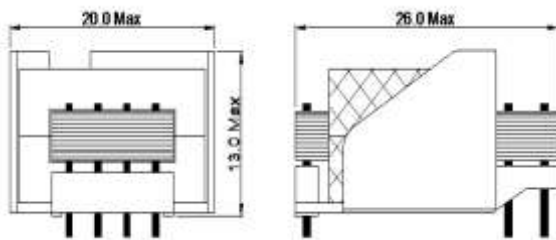
- High power density, PCB production, product consistency, good reliability
- Uniform magnetic field, high EMC Performance

APPLICATIONS

- Widely used in adapter, LED-backlit display TV, LED driver, power modules, precision instruments, computers and peripherals and so on

SPECIFICATION

■ P/N: TPPED182613C□□□P



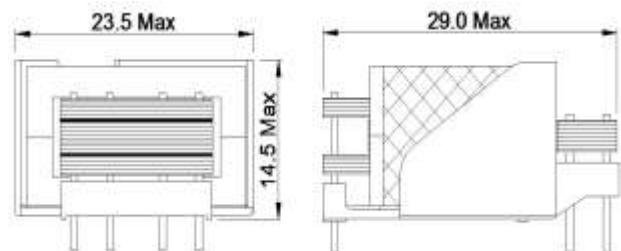
Unit: mm

Core Type: ED18

Reference dimension (LxWxH): 26x20x13mm Max.

Power: 25W Max.

■ P/N: TPPED212710C□□□P



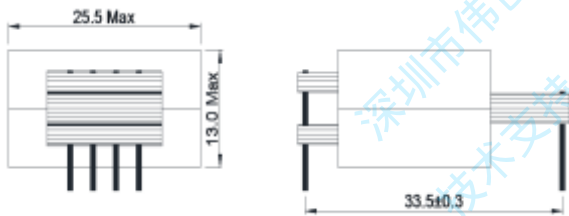
Unit: mm

Core Type: ED21 Reference dimension (LxWxH):

29x23.5x14.5mm Max.

Power: 50W Max

■ P/N: TPPED253513C□□□P



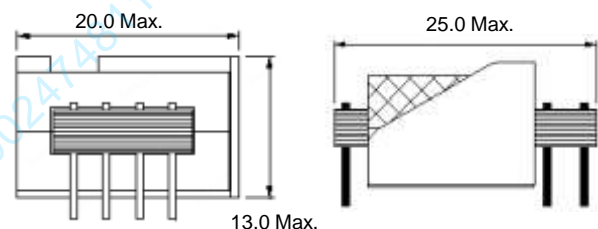
Unit: mm

Core Type: ED25

Reference dimension (LxWxH): 33.5x25.5x13mm Max.

Power: 200W

■ P/N: TPPED182613C300P



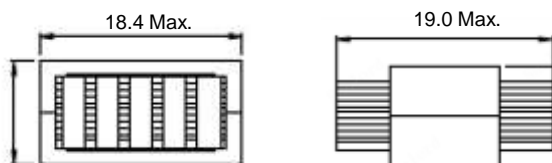
13.0 Max.

Core Type: ED18

Reference dimension (LxWxH): 20.0x25.0x13mm Max.

Power: 18W Typ.

■ P/N: TPPED182008D302P



8.2 Max.

Core Type: ED18

Reference dimension (LxWxH): 18.4x19.0x8.2mm Max.

Power: 25W

Sunlord

Specifications subject to change without notice. Please check our website for latest information. Revised 2022/05/15

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Quasi-planar Transformer

FEATURES

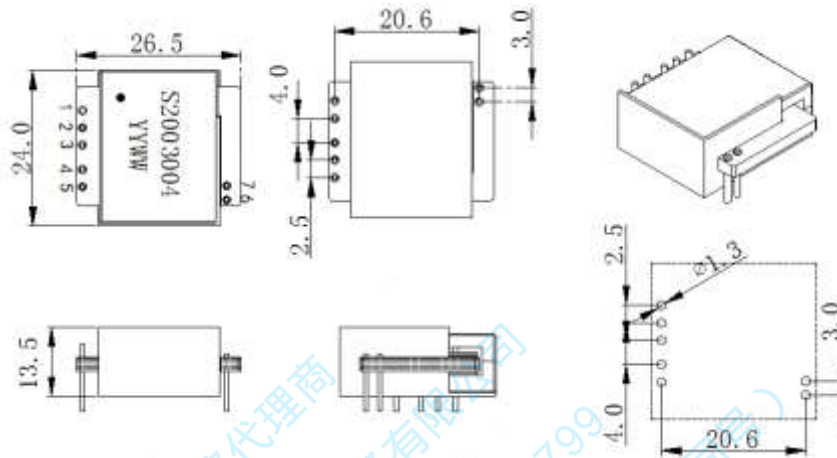
- Wire winding on PCB as the primary, PCB trace for secondary, reduce PCB layers
- Uniform magnetic field, high EMC Performance

APPLICATIONS

- Widely used in Quick charge, LED-backlit display TV, AC/DC switches power supply

SPECIFICATION

■ P/N: TPPED222412C400P



Unit: mm

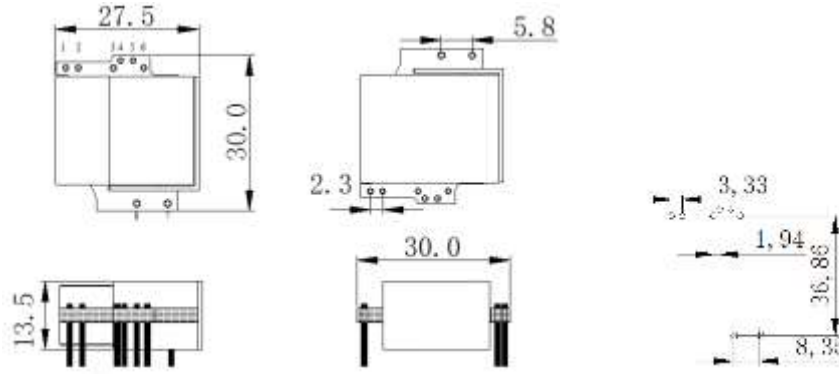
Reference dimension (LxWxH): 24x26.5x13.5mm Max.

Power: 25W Typ.

Part No.	Test Item	Test Terminal	Test Condition	Specification	Schematic
TPPED222412C400P	L	Pin(1-3)	100kHz, 1V	610μH ± 10%	
	Lk	Pin(1-3) (short 4,5,6,7)	100kHz, 1V	20μH Max.	
	DCR	Pin(1-2) Pin(4-5) Pin(6-7)	20 ± 5°C	0.9 Ω Max.	
				0.16 Ω Max.	
				0.20 Ω Max.	
	Isat	Pin(1-3)	100kHz, 0.1V,	▲L0.972Adc ≥ L*85%	
	Turns Ratio	Pri: Aux: Sec	15.75kHz, 1V	46:7:5 Ts	
Hi-PoT	Pri to Aux Pri to Core	1200Vac/50Hz /60s/5mA	Pass		
	Pri to Sec Sec to core	3750Vac/50Hz /60s/5mA	Pass		

SPECIFICATION

■ P/N: TPPED273015C400P



Unit: mm

Reference dimension (LxWxH): 27.5x30.0x13.5mm Max.

Power: 45W Typ.

Part No.	Test Item	Test Terminal	Test Condition	Specification	Schematic
TPPED273015C400P	L	Pin(5-6)	200kHz, 1V	500μH ± 10%	
	Lk	Pin(5-6) (short other Pins)	200kHz, 1V	15μH Max.	
	DCR	Pin(5-6)	20 ± 5°C	0.3 Ω Max.	
		Pin(1-3)		2.0 Ω Max.	
		Pin(2-4)		0.20 Ω Max.	
		Pin(7-8)		0.014 Ω Max.	
	Turns Ratio	Pin(5-6):Pin(1-3): Pin(2-4):Pin(7-8)	15.75kHz, 1V	24:11:2:4 Ts	
	Hi-PoT	Pri to Sec	3750Vac/50Hz /30s/1.0mA max.	Pass	
		Sec to core	3750Vac/50Hz /30s/ 1.0mA max.	Pass	
		Pri to core	1000Vac/50Hz /30s/ 1.0mA max.	Pass	