

THT Power Transformer

ER Series – Vertical

 FEATURES

- High power density and high efficiency
- Multiple-output is available
- Operating frequency up to 500kHz
- Power up to 5kW
- High power series ER49, ER53
- Custom designs available


 APPLICATIONS

- Solar inverter, Server, Amplifier
- Network, POE, Router
- Elevator emergency power supply
- Electric vehicle charging pile
- Medical instrument power supply
- Variable-frequency drive
- Industrial power supply
- High end LED power supply
- High end charger and USB
- Smart home electronics
- Electrical power equipment
- Test instrument

 SPECIFICATIONS

Size	Fig.	A (Max.)	B (Max.)	C (Max.)	D (Nom.)	E (Nom.)	F (Nom.)	Pins (Optional)	fsw (kHz)	Power (W) ²
ER28-1	1	29.5	25.0	22.5	5.0	17.5	Φ0.8	5+5	100	30-50
ER28-2	1	29.5	25.0	32.0	5.0	17.5	Φ0.8	5+5	100	40-60
ER28L	3	31.5	28.5	37.5	5.0	20.0	Φ0.8	6+6	100	40-80
ER35	3	36.5	30.0	38.0	5.0	22.5	Φ1.0	6+6	100	200-400
ER35L	3	36.5	30.0	45.0	5.0	22.5	Φ1.0	6+6	100	200-500
	2	36.5	30.0	45.0	5.0	22.5	Φ1.0	7+7	100	200-500
ER39	4	41.0	34.0	46.0	5.0	25.2	Φ1.0	6+6	100	400-800
	2	41.0	34.0	52.0	5.0	25.2	Φ1.0	7+7	100	400-800
ER42	5	44.0	32.0	49.5	5.0	25.0	Φ1.0	7+7	100	500-1000
ER49	6	51.5	38.5	57.5	5.0	27.5	Φ1.0	9+9	100	1000-2000
ER53	7	56.0	41.5	51.5	5.0	32.5	Φ1.0	9+9	100	3000-5000

1. Operating Temperature: -40°C~+125°C(Includes temperature when the coil is heated).

2. Output power is only for reference at switching frequency 100kHz.

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MECHANICAL

Fig.1

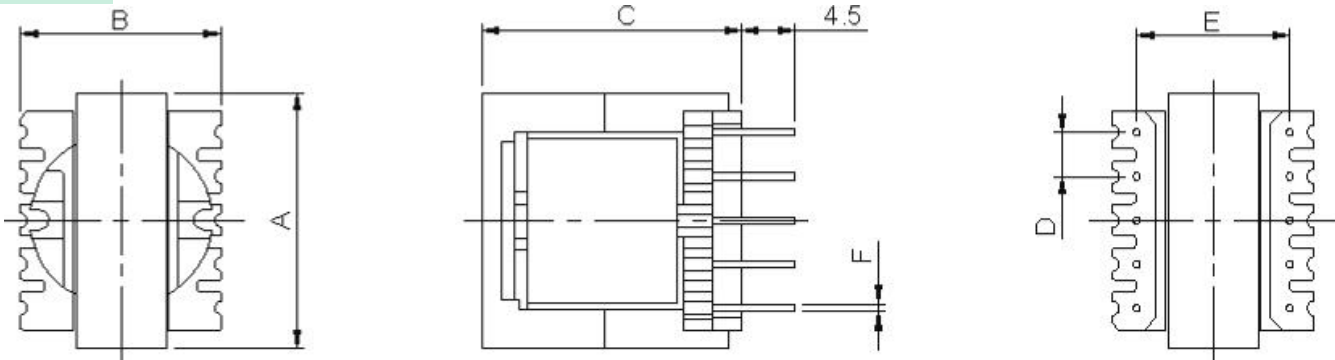


Fig.2

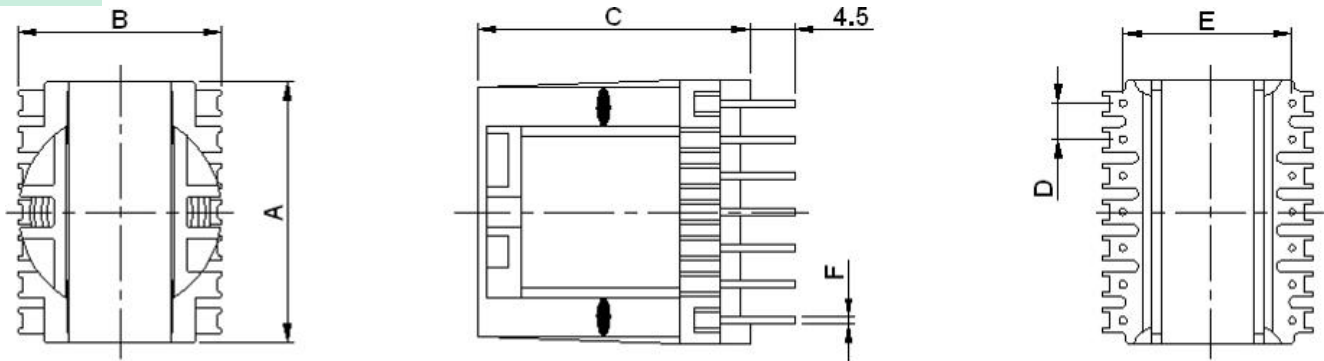


Fig.3

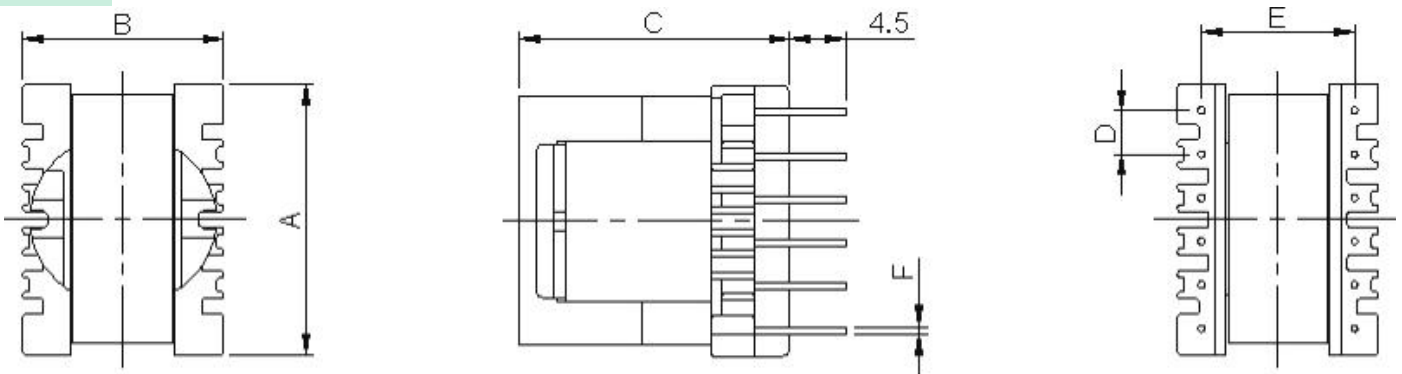
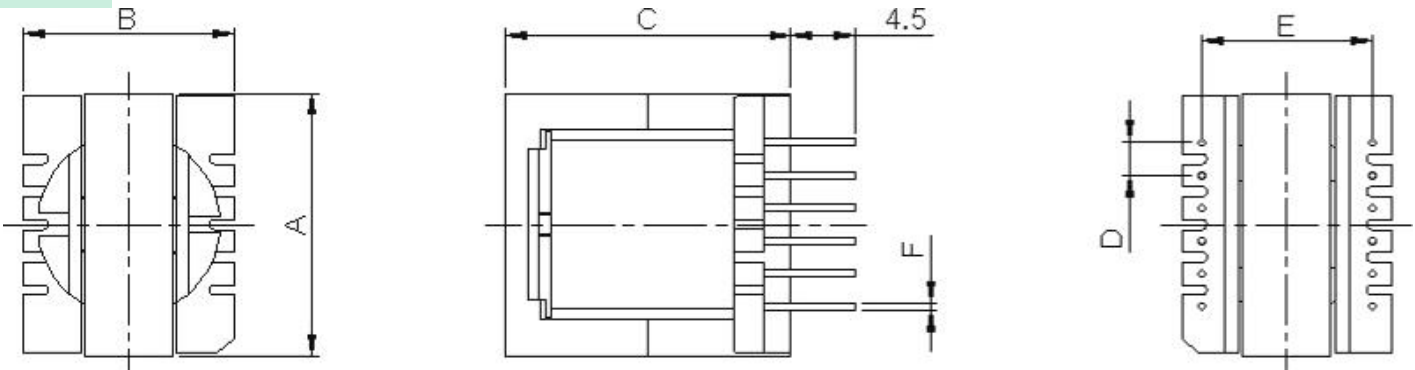


Fig.4



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MECHANICAL

Fig.5

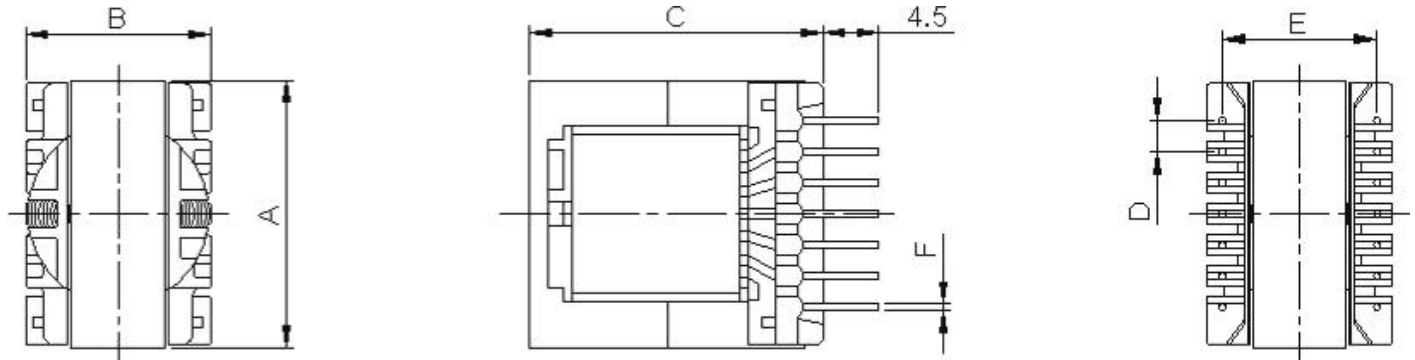


Fig.6

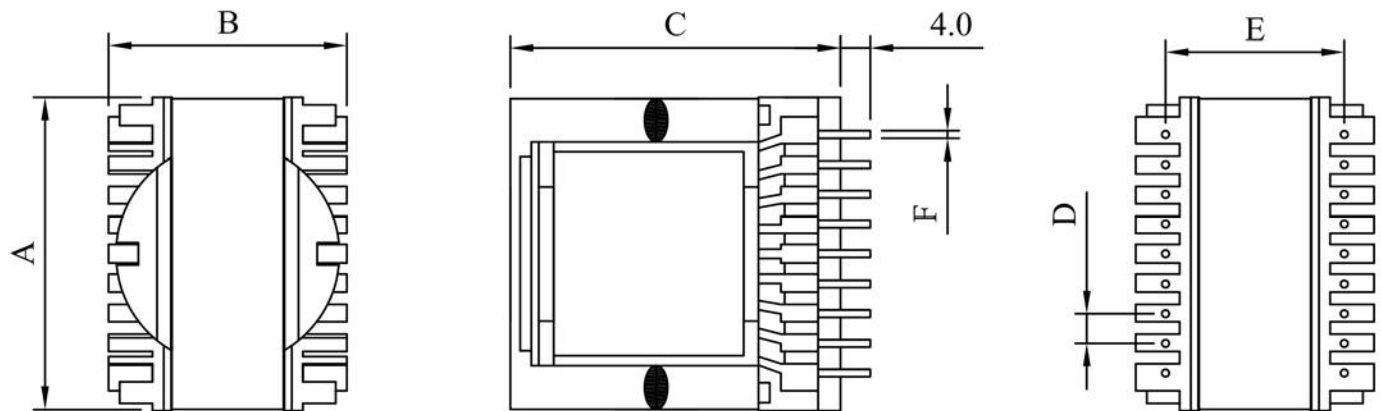


Fig.7

