宇阳磁通 YUYANG MAGNETIC

RoHS/ REACH COMPLIANT

ER9.5 TYPE

SMT Power Transformers

• Center tapped primary and secondary windings • 2500 Vrms, one minute interwinding isolation.

• Core material： Ferrite
• Terminations： ROHS compliant
• Weight： 0.94 – 1.0 g
• Ambient temperature： –40°C to +125°C
• Storage temperature：Component: –40°C to +125°C.
Tape and reel packaging: –40°C to +80°C
• Resistance to soldering heat：Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles

Part number	Pri/sec voltage	Inductance min (µH)	DCR max (Ohms) pri	DCR max (Ohms) sec	Leakage inductance max (µH)	Power (W)	Turns ratio pri : sec
YETER9.5-20001T	5 V to 6 V	45.6	0.130	0.260	1.0	7.2	1 : 1.5
YETER9.5-20002T	3.3 V to 6 V	17.8	0.086	0.232	0.43	7.2	1 : 2.2

1. When ordering, please specify packaging codes:
YETER9.5-20001T
Packaging: T = 13″ machine ready reel. EIA-481 embossed plastic tape (600 per full reel).
B = In bulk or Less than full reel.

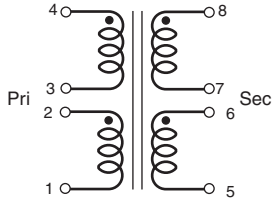
2. Inductance is tested between pins 4 and 3 at 500 kHz, 0.5 Vrms, 0 Adc.

3. DCR is per winding.

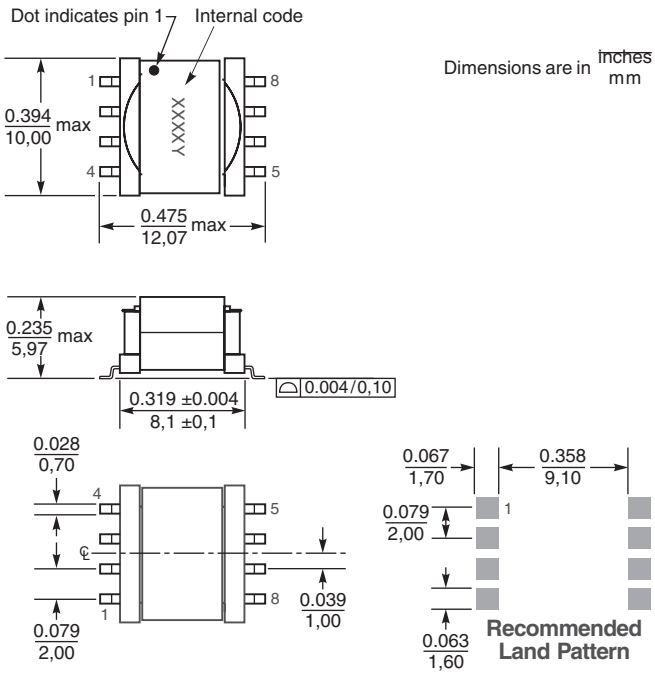
4. Leakage inductance is for the primary with both windings connected in series and with the secondary windings shorted.

5. Calculated output power based on 150 kHz operating frequency.Power varies depending on application.

7. Electrical specifications at 25°C.



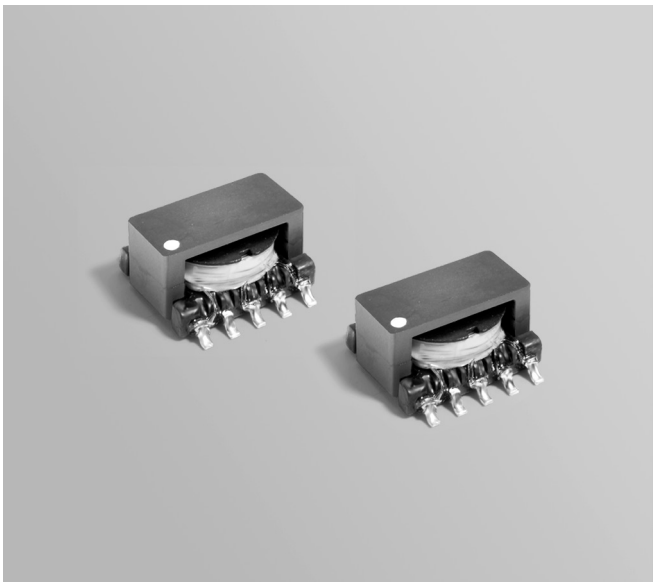
Primary windings and secondary windings to be connected in series on the PC board.



Packaging 600/13″ reel Plastic tape: 24 mm wide, 0.37 mm thick, 16 mm pocket spacing, 6.1 mm pocket depth

ER11 TYPE

Flyback Transformer

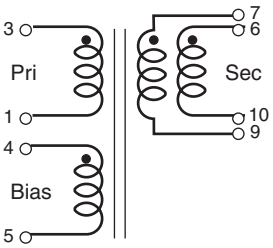


- Designed for discontinuous conduction mode, 34 – 57 V input
- Hipot:1500 Vrms ,1minute between primary and secondary windings

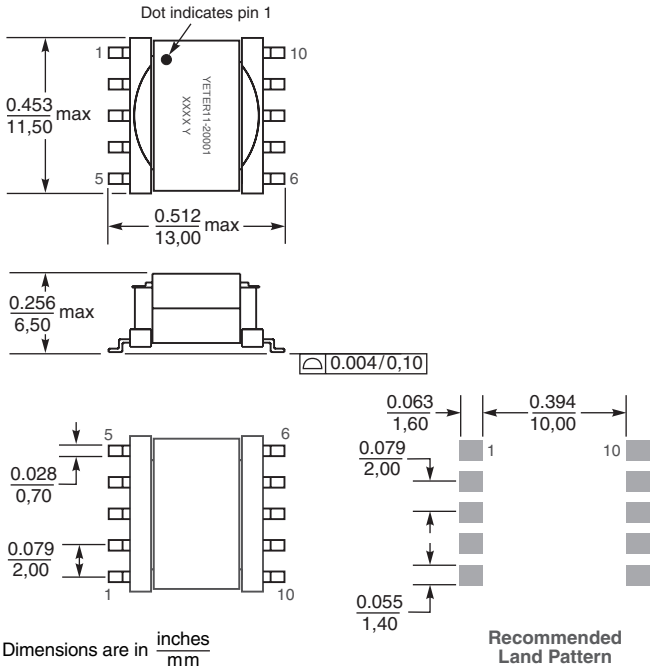
- Core material:Ferrite
- Terminations:RoHS compliant.
- Ambient temperature:–40°C to +125°C
- Storage temperature:Component: –40°C to +125°C.
  Tape and reel packaging: –40°C to +80°C
- Resistance to soldering heat:Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
- Packaging:500 per 13″ reel Plastic tape: 24 mm wide, 0.36 mm thick, 16 mm pocket spacing, 6.13 mm pocket depth

Part number	Inductance at 0 Adc ±10% (µH)	DCR max (Ohms)	Leakage Inductance max (µH)	Turns ratio pri : sec	Turns ratio pri : bias	Ipk (A)	Output
YETER11-20001T	50	0.185 (pins 3 – 1) 0.030 (pins 6 – 10) 0.030 (pins 7 – 9) 0.385 (pins 4 – 5)	1.10	1 : 0.166	1 : 0.5	1.22	3.3 V, 1.5A

1. When ordering, please specify packaging code:
YETER11-20001T
Packaging: T = 13″ machine ready reel. EIA-481 embossed plastic tape (500 per full reel).
B = In bulk or Less than full reel. In tape, but not machine ready.To have a leader and trailer added ($25 charge), use code letter
D instead.
2. Inductance is for the primary, measured at 250 kHz, 0.3 Vrms.
3. Peak primary current drawn at minimum input voltage.
4. Leakage inductance is for the primary winding with the secondary wind-
ings shorted.
5. Turns ratio is with the secondary windings connected in parallel.
6. Output of the secondary is with the windings connected in parallel. Bias winding output is 10 V.
7. Electrical specifications at 25°C.

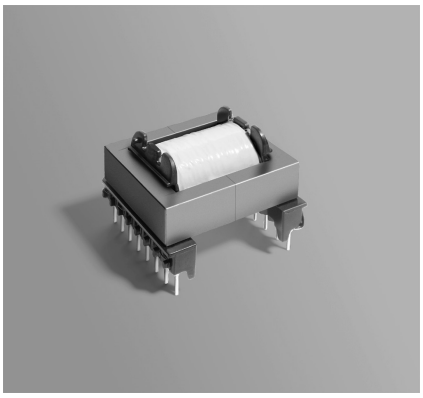


Secondary windings to be connected in parallel on the PC board.



ER35 TYPE

Flyback Transformer

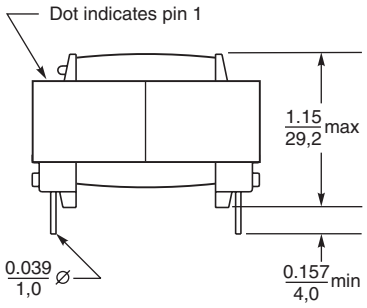


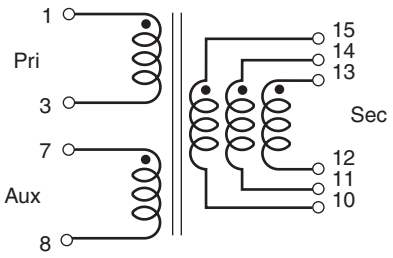
- Designed for 80~90 Watt applications
- Operates in discontinuous conduction mode with an input of 85 – 265 Vac, 1.20 Arms maximum
- Hipot 3000 Vrms between primary + auxiliary and secondary

- **Core material** Ferrite
- RoHS compliant
- **Ambient temperature** –40°C to +125°C
- **Storage temperature** Component: –40°C to +125°C. Tray packaging: –40°C to +80°C
- **Packaging** in tray

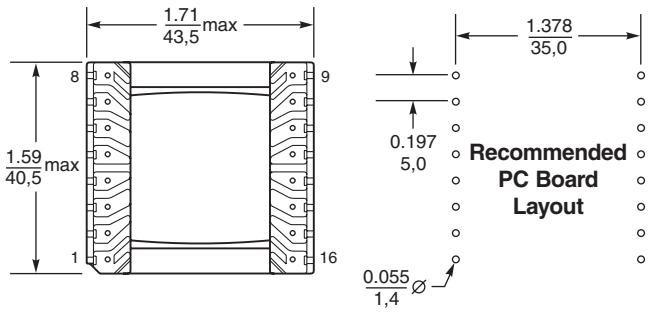
Part number	Inductance at 0 A ±10% (µH)	DCR max (Ohms) pri	aux	sec	Leakage inductance max (µH)	Turns ratio pri : aux	pri : sec	Ipk (A)	Output
YETER35-20001B	310	0.210	0.073	0.0053	7.45	1:0.118	1:0.147	3.1	19.5 V, 4.6 A

1. Inductance measured at 100 kHz, 1.1 Vrms, 0 Adc using an Agilent/ HP 4263B impedance analyzer or equivalent.
2. DCR for the secondary is with the windings connected in parallel.
3. Turns ratio is with the secondary windings connected in parallel.
4. Output of the auxiliary winding is 16 V, 20 mA.
5. Electrical specifications at 25°C.





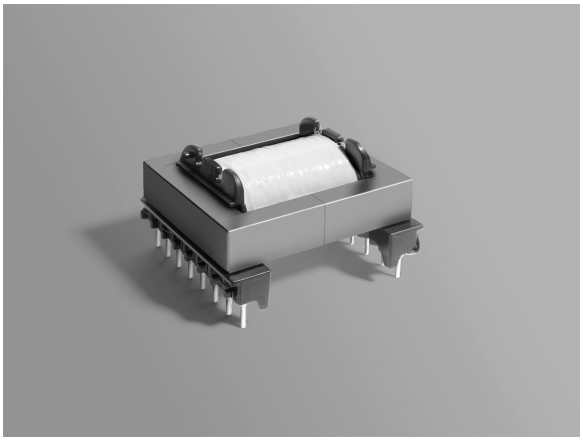
Secondary windings to be connected in parallel on the PC board



Dimensions are in inches / mm

ER40 TYPE

Flyback Transformer

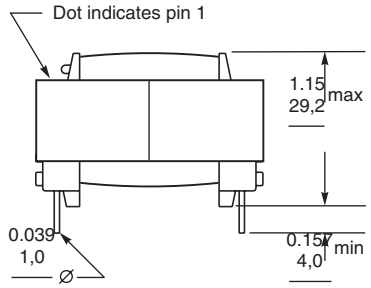


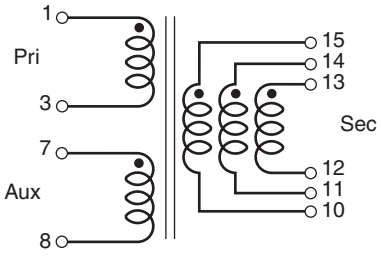
- Designed for 90 Watt applications
- Operates in discontinuous conduction mode with an input of 85 – 265 Vac, 1.28 Arms maximum
- Hipot: 3000 Vrms1minutes between primary + auxiliary and secondary

- Core material Ferrite
- RoHS compliant
- Ambient temperature –40°C to +125°C
- Storage temperature Component: –40°C to +125°C.
- Tray packaging: –40°C to +80°C

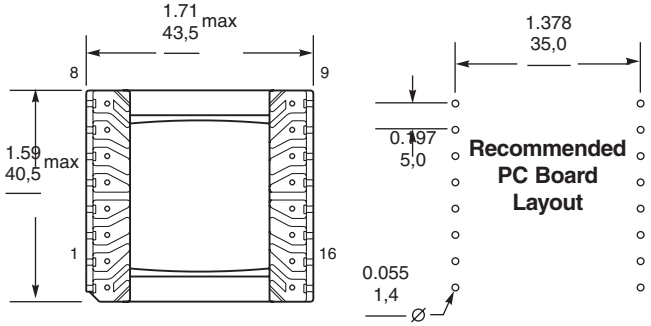
Part number	Inductance at 0 A ±10% (µH)	DCR max (Ohms) pri	aux	sec	Leakage inductance max (µH)	Turns ratio pri : aux	pri : sec	Ipk (A)	Output
YETER40-20001B	300	0.210	0.073	0.005	3 7.45	1 : 0.118	1 : 0.147	3.1	19.5 V, 4.62 A

1. Inductance measured at 100 kHz,1.1Vrms, 0Adc using an Agilent/ HP 4263B impedance analyzer or equivalent.
2. Peak primary current drawn at minimum input voltage.
3. DCR for the secondary is with the windings connected in parallel.
4. Turns ratio is with the secondary windings connected in parallel.
5. Output of the auxiliary winding is 16 V, 20 mA.
6. Electrical specifications at 25°C.





Secondary windings to be connected in parallel on the PC board



Dimensions are in inches / mm