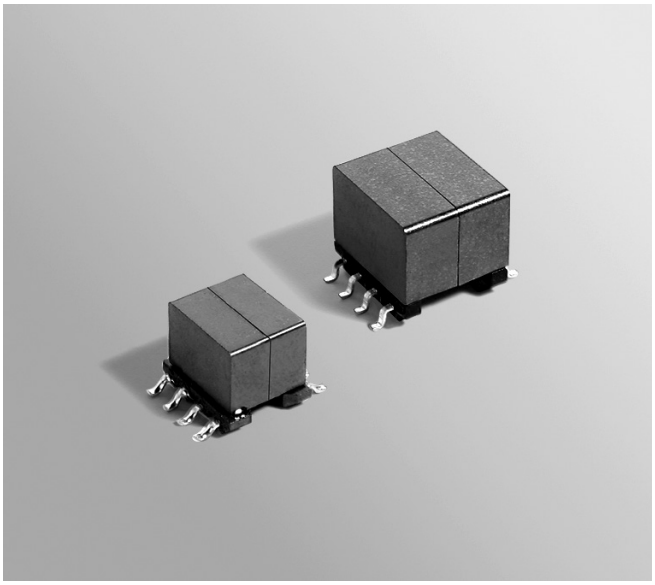
EP7 SERIES

Push-Pull Transformers



- Low Noise, 1 A, 1 MHz Push-Pull DC/DC Driver with Duty Cycle Control
- Hipot: 500 Vrms,1 minute between primary and secondary
- Three output power versions:
  1W (12V, 0.083A), 5W (5V, 1A), and 10W (12V, 0.83A)
- Core material:Ferrite
- RoHS compliant
- Ambient temperature –40°C to +85°C
- Maximum part temperature +125°C (ambient + temp rise)
- 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	Input voltage (V)	Primary inductance (µH) min	Primary inductance (µH) max	Leakage inductance max (µH)	DCR max[4] (Ohms) pri	DCR max[4] (Ohms) sec	Turns ratio pri:sec	Output
YETEP7-20001T	5.0	139	232	0.520	0.205	1.78	1 : 3.46	12 V, 0.083 A
YETEP7-20002T	5.0	29.7	49.5	0.190	0.045	0.067	1 : 1.5	5 V, 1.0 A
YETEP7-20003T	12	82.5	137.5	0.336	0.065	0.072	1 : 1.4	12 V, 0.83 A

1. When ordering, specify a packaging code:
YETEP7-20001T
Packaging: T = 13″ machine ready reel. EIA-481 embossed plastic tape.
B= In bulk or Quantities less than full reel available: in tape (not machine ready) or with leader and trailer ($25 charge).

2. Inductance is for Pri A measured on an Agilent/HP 4284 at 100 kHz, 0.1 Vrms, 0 Adc.

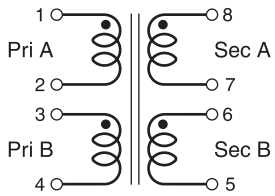
3. Leakage inductance measured between pins 1 and 4 at 100 kHz, 0.1 Vrms, 0 Adc with pins 2 and 3 connected and with secondary pins shorted.

4. DCR for the scondary is for each winding.

5. Volt-time product is for Primary A, based on 2000 Gauss.

6. Turns ratio is with the primary windings and secondary windings connected in series.

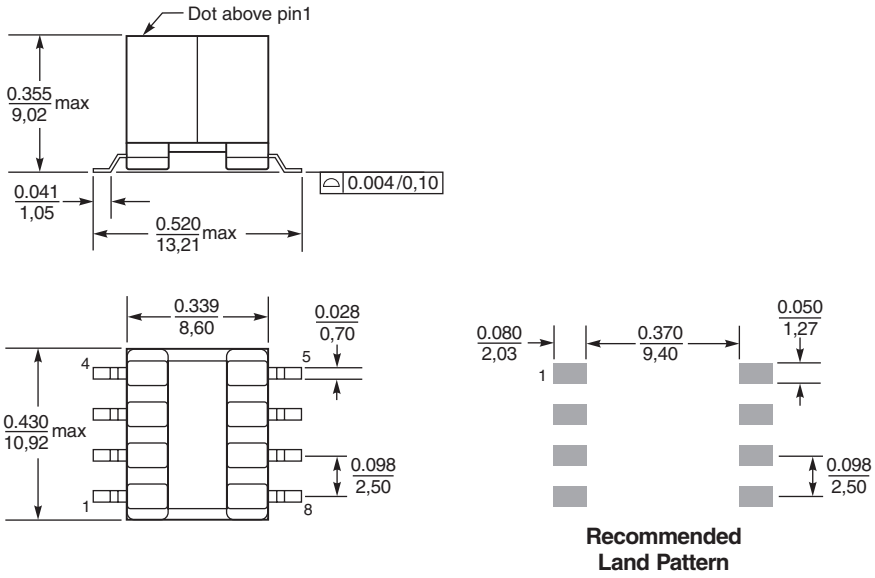
7. Electrical specifications at 25°C.



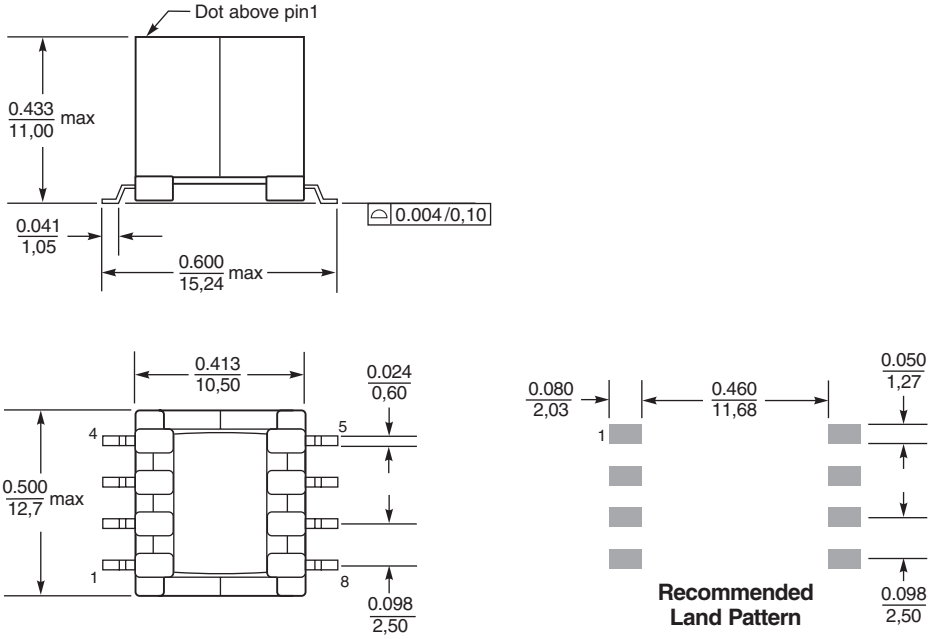
Primary windings and secondary windings to be connected in series on the PC board

Push-Pull Transformers

YETEP7-20001T/YETEP7-20002T



YETEP7-20003T



Dimensions are in $\frac{\text{inches}}{\text{mm}}$