Flyback Transformer
For TI TPS23751/2 PD Controllers

- Flyback transformer for Texas Instruments TPS23751 and TPS23752 PD Controllers
- Input: 33 – 57 V
- 1500 Vrms, one minute isolation from primary and bias to secondary and drive

Core material: Ferrite
Terminations: RoHS tin-silver-copper over tin over nickel over phosphor bronze. Other terminations available at additional cost.
Weight: 11.3 g
Ambient temperature: −40°C to +125°C
Storage temperature: Component: −40°C to +125°C.
Resistance to soldering heat: Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
Moisture Sensitivity Level (MSL): 1 (unlimited floor life at <30°C / 85% relative humidity)

Failures in Time (FIT) / Mean Time Between Failures (MTBF):
38 per billion hours / 4.5 A

Packaging:
175 per 13″ reel Plastic tape: 44 mm wide, 0.4 mm thick, 28 mm pocket spacing, 11.9 mm pocket depth
PCB washing: Tested with pure water or alcohol only. For other solvents, see Doc787_PCB_Washing.pdf

1. When ordering, please specify a packaging code:
   NA5730-AL D
   Packaging: D = 13″ machine ready reel. EIA-481 embossed plastic tape (175 parts per full reel).
   B = 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 measured at 250 kHz, 0.1 Vrms, 0 Adc.
3. Peak primary current drawn at minimum input voltage.
4. DCR for the primary and the secondary is measured with windings connected in parallel.
5. Leakage inductance is for the primary, measured with the windings connected in parallel and the secondary windings shorted.
6. Turns ratio is with the primary windings and secondary windings connected in parallel.
7. Output is with the secondary windings connected in parallel. Output of the drive winding is 5 V, 10 mA. Output of the bias winding is 12 V, 20 mA.
8. Electrical specifications at 25°C.

Refer to Doc 362 “Soldering Surface Mount Components” before soldering.

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### Dimensions

- Dimensions are in inches
- Recommended Land Pattern
- Primary windings and secondary windings to be connected in parallel on PC board

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For more details, visit www.coilcraft.com