Flyback Transformers

For Akros AS1113 PoE Controller

- Flyback transformer for 13 W PoE applications
- Designed to operate with 10 – 57 V input at 300 kHz
- 1500 Vrms, one minute isolation from primary to secondary windings

Core material: Ferrite
Terminations: RoHS tin-silver over tin over nickel over phos bronze. Other terminations available at additional cost.
Weight: 5.3 – 5.7 g
Ambient temperature: −40°C to +125°C
Storage temperature: Component: −40°C to +125°C.
Tape reel packaging: −40°C to +80°C
Resistance to soldering heat: Max three 40 second refloows at +260°C, parts cooled to room temperature between cycles
Moisture Sensitivity Level (MSL): 1 (unlimited floor life at <30°C / 85% relative humidity)
Packaging: 200 per 13″ reel. Plastic tape: 44 mm wide, 0.4 mm thick, 28 mm pocket spacing, 9.6 mm pocket depth

1. When ordering, please specify termination and packaging codes:

HA3585-BL_   40 36 0.140 0.014 0.220 0.255 0.740 1:0.29 1:0.43 1:0.43 2.6 3.3 V, 3.9 A
HA3586-BL_   40 36 0.140 0.024 0.230 0.265 0.625 1:0.36 1:0.43 1:0.43 2.6 5.0 V, 2.6 A

1. When ordering, please specify termination and packaging codes:

Termination: L = RoHS tin-silver (96.5/3.5) over tin over nickel over phos bronze.
Special order: T = RoHS tin-silver-copper (95.5/4/0.5) or S = non-RoHS tin-lead (63/37).
Packaging: D = 13″ machine-ready reel. EIA-481 embossed plastic tape (200 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer ($25 charge).
B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D.

2. Inductance is for the primary, measured at 300 kHz, 0.5 Vrms.
3. Peak primary current drawn at minimum input voltage.
4. DCR for the secondary with the windings connected in parallel.
5. Leakage inductance is for the primary windings with the secondary windings shorted.
6. Turns ratios are with the secondary windings connected in parallel.
7. Output of the secondary is with the windings connected in parallel.
8. Electrical specifications at 25°C.

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

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