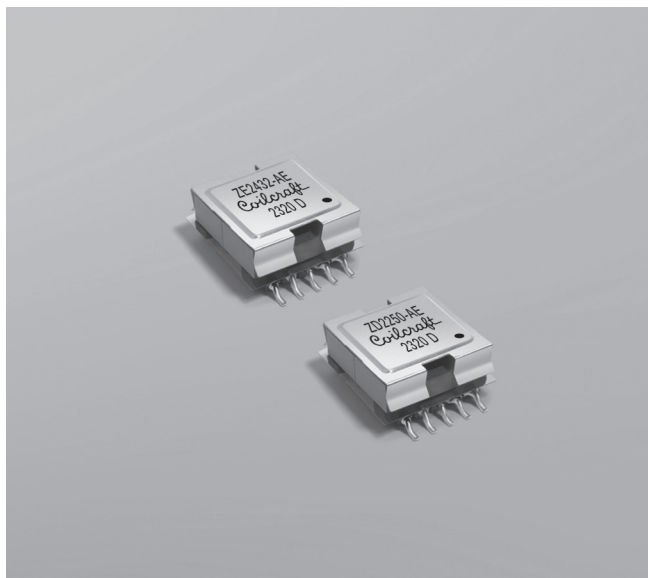




Flyback Transformers



- Optimized to work with the PSR Flyback DC-DC controller LM5185-Q1 from Texas Instruments
- Designed to operate with 18 – 60 V (ZD2250) and 9 – 60 V (ZE2432) input at 200 kHz
- 2000 Vrms one minute isolation (hipot) primary to secondary
- AEC-Q200 qualified with max part temp at 165°C

Core material Ferrite

Environmental RoHS compliant, halogen free

Terminations RoHS tin-silver over tin over nickel over phos bronze. Other terminations available at additional cost.

Weight 5.5 g

Ambient temperature –40°C to +125°C

Max part temperature +165°C

Storage temperature Component: –40°C to +165°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

Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)

PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See [Doc787_PCB_Washing.pdf](#).

Part number ¹	Inductance at 0 Adc ² ±10% (µH)	Isat ³ (A)	DCR max ⁴ (Ohms)		Leakage Inductance ⁵ max (µH)	Turns ratio pri : sec	Isolation ⁶ (Vrms)	Output
			pri	sec				
ZD2250-AED	12	5.5	0.025	0.025	0.20	1 : 1	2000	16 V, 1 A
ZE2432-AED	9	7.5	0.025	0.025	0.15	1 : 1	2000	16 V, 1 A

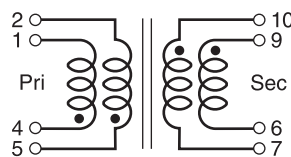
1. When ordering, please specify **packaging** code:

ZE2432-AED

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).

- Inductance is for the primary, measured at 200 kHz, 0.1 Vrms, 0 Adc.
- DC current that causes an inductance drop of 30% (typ) from its value without current.
- DCR values specified with windings connected in parallel.
- Leakage inductance is for the primary winding (connected in parallel) with the secondary windings shorted.
- Isolation (hipot) measured between primary windings (connected in parallel) to secondary windings (connected in parallel).
- Electrical specifications at 25°C.

Refer to Doc 362 "Soldering Surface Mount Components" before soldering.



Connect pin 2 to 1, 4 to 5, 10 to 9, and 6 to 7 on PCB.



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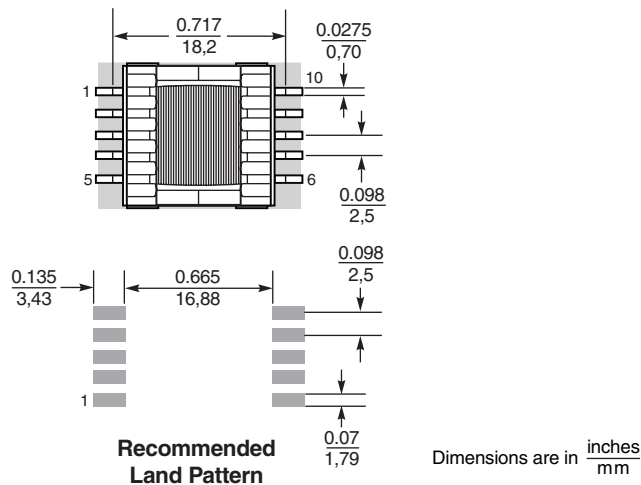
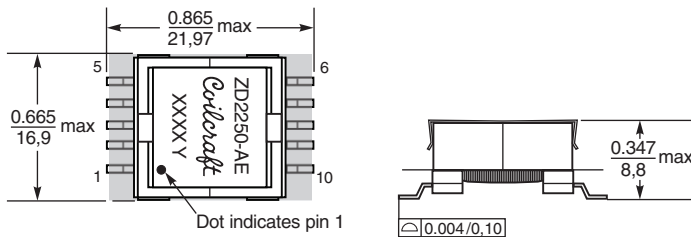
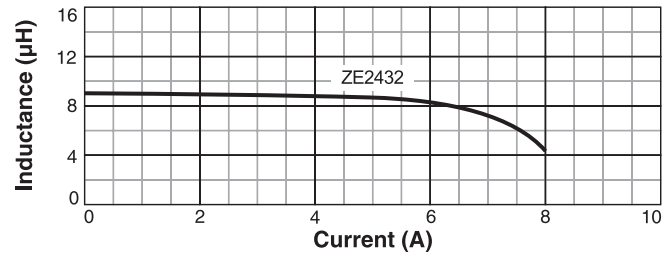
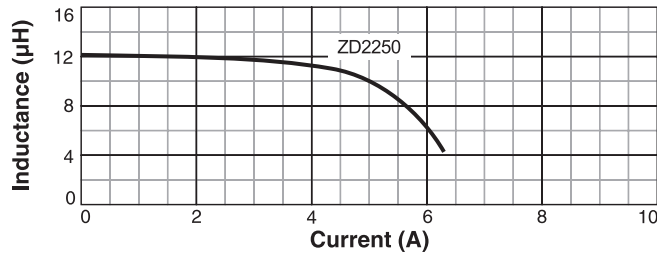
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This product may not be used in medical or high risk applications without prior Coilcraft approval. Specification subject to change without notice. Please check web site for latest information.



Flyback Transformers ZD2250-AE, ZE2432-AE

L vs Current



Packaging 200 per 13" reel Plastic tape: 44 mm wide, 0.5 mm thick, 28 mm pocket spacing, 9.55 mm pocket depth