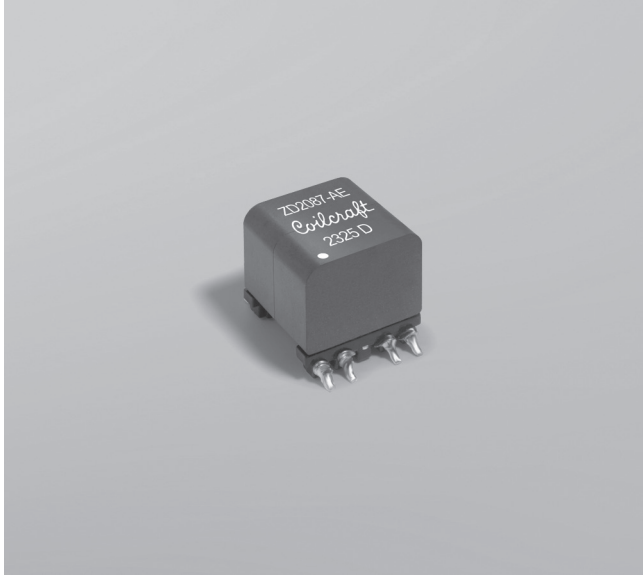


NEW!

Flyback Transformer ZD2087-AE



- Developed for use with the STMicroelectronics A/L6983I iso-buck converter
- Optimized for a 24 V in solution with the evaluation board STEVAL-L6983IV1.
- 1500 Vrms, one minute isolation (hipot) between primary and secondary.
- AEC-Q200 (–40°C to +125°C)

Core material Ferrite

Environment RoHS compliant, halogen free

Terminations Tin-silver-copper over tin over nickel over phos bronze

Weight 6.99 g

Ambient temperature –40°C to +125°C

Maximum part temperature +165°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

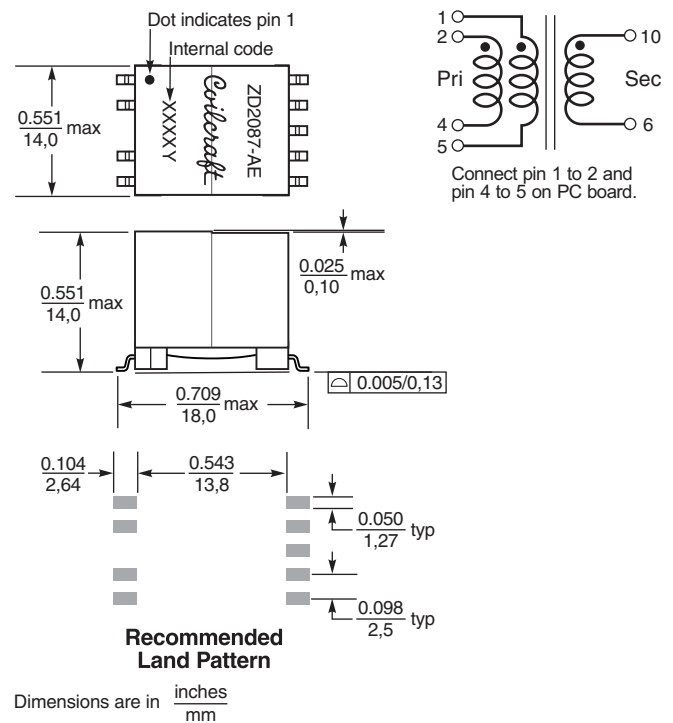
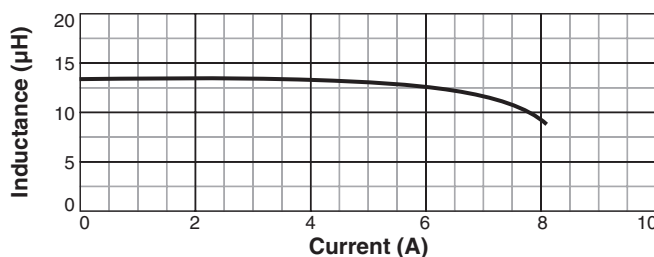
Packaging 150 per 13" reel Plastic tape: 44 mm wide, 0.5 mm thick, 28 mm pocket spacing, 14.6 mm pocket depth

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

Part number ¹	Inductance at 0 A ² ±10% (μH)	DCR max (Ohms)		Leakage inductance ³ max (μH)	Turns ratio pri : sec	Isolation ⁴ (Vrms)	Isat ⁵ (A)	Output
		pri	sec					
ZD2087-AED	13.5	0.020	0.293	0.15	1 : 2.555	1500	8.0	30 V, 0.33 A

- Packaging:** D = 13" machine-ready reel. EIA-481 embossed plastic tape (150 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 500 kHz, 0.1 Vrms, 0 Adc.
 - Leakage inductance is for the primary with the secondary windings shorted.
 - 1500 Vrms, one minute isolation (hipot) between primary and secondary.
 - DC current that causes the primary inductance to drop 30% from its value without current.
 - Electrical specifications at 25°C.
- Refer to Doc 362 "Soldering Surface Mount Components" before soldering.

L vs Current



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Document 1786-1 Revised 02/16/24

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