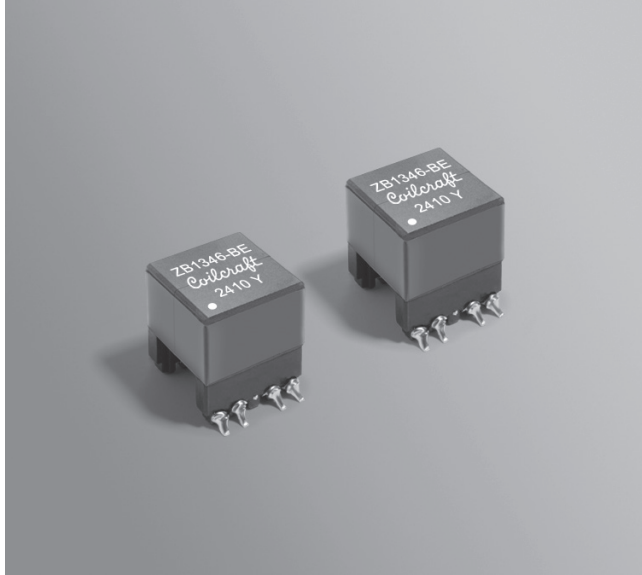


**NEW!**

# Flyback Transformer ZB1346-BE



- Optimized for iso-buck converter A/L6983I from STMicroelectronics and designed in the evaluation board STEVAL-L6983IV1
- 4 to 38 V input voltage range with up to 10 W power
- 4000 Vrms, one minute isolation (hipot) from primary to secondary
- 8 mm creepage and clearance, Material Group 3a<sup>6</sup>
- AEC-Q200 qualified

**Core material** Ferrite

**Environment** RoHS compliant, halogen free

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

**Weight** 6.87 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

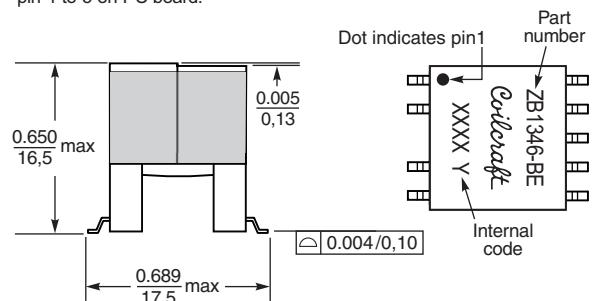
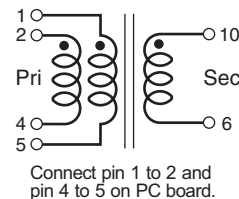
**Resistance to soldering heat** Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles

**Packaging** 150 per 13" reel Plastic tape: 56 mm wide, 0.6 mm thick, 24 mm pocket spacing, 17.3 mm pocket depth

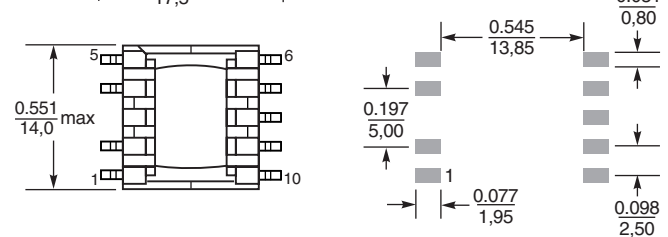
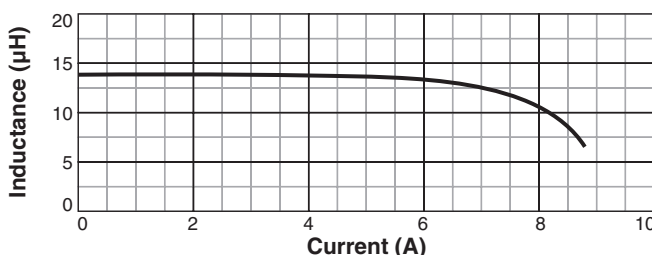
**Moisture Sensitivity Level (MSL)** 1 (unlimited floor life at <30°C / 85% relative humidity)

Part number <sup>1</sup>	Inductance at 0 A <sup>2</sup> ±10% (μH)	DCR max (Ohms)		Leakage inductance <sup>3</sup> max (μH)	Turns ratio pri : sec	Isolation <sup>4</sup> (Vrms)	Isat <sup>5</sup> (A)	Output
		pri	sec					
ZB1346-BED	13.5	0.029	1.34	0.14	1 : 6	4000	8.3	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.
  - 4000 Vrms, one minute isolation (hipot) between primary and secondary.
  - DC current that causes the primary inductance to drop 30% from its value without current.
  - Insulation level may be Functional, Basic, or Reinforced depending on application variables such as working voltage, pollution degree, OVC, and altitude. Please contact Coilcraft for full details..
  - Electrical specifications at 25°C.
- Refer to Doc 362 "Soldering Surface Mount Components" before soldering.



## L vs Current



Dimensions are in inches/mm

**Recommended Land Pattern**



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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.