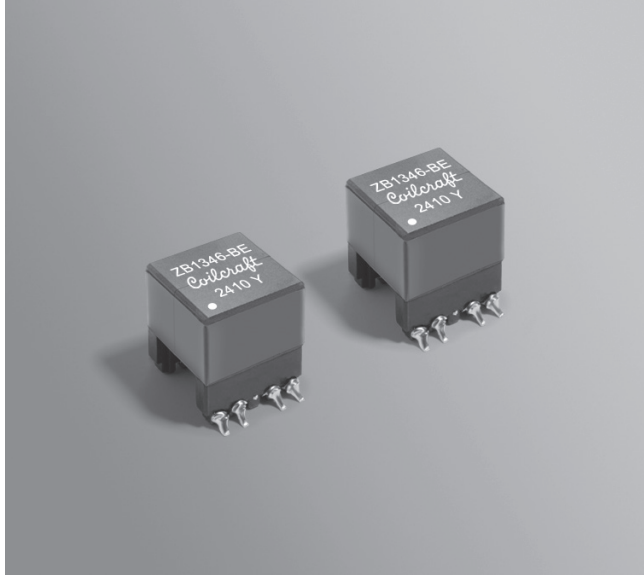


NEW!

Flyback Transformer ZB1346-BE



- Optimized for iso-buck converter A/L6938I from STMicro-electronics 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 3a⁶
- 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

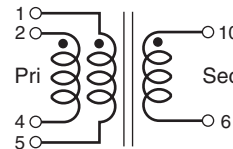
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles

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

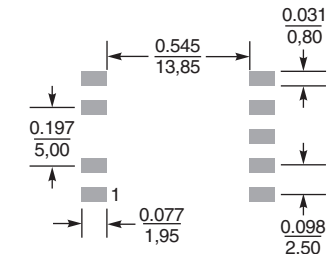
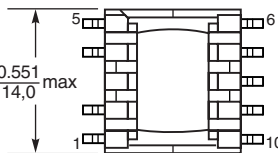
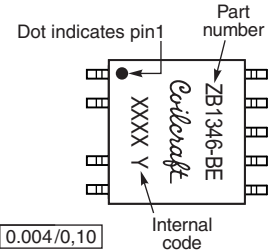
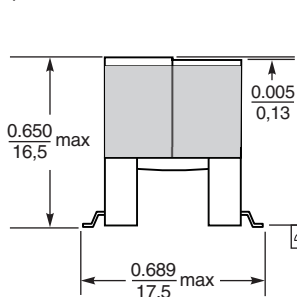
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)

Part number 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					
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.



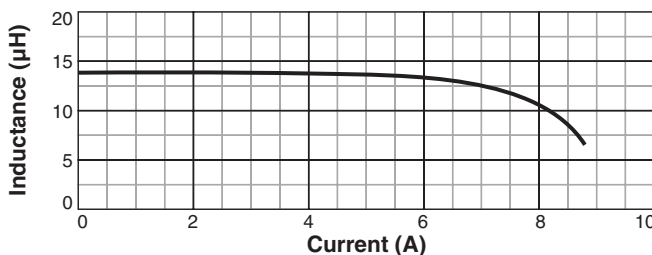
Connect pin 1 to 2 and pin 4 to 5 on PC board.



Dimensions are in inches/mm

Recommended Land Pattern

L vs Current



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Document 1798-1 Revised 09/03/24

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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.