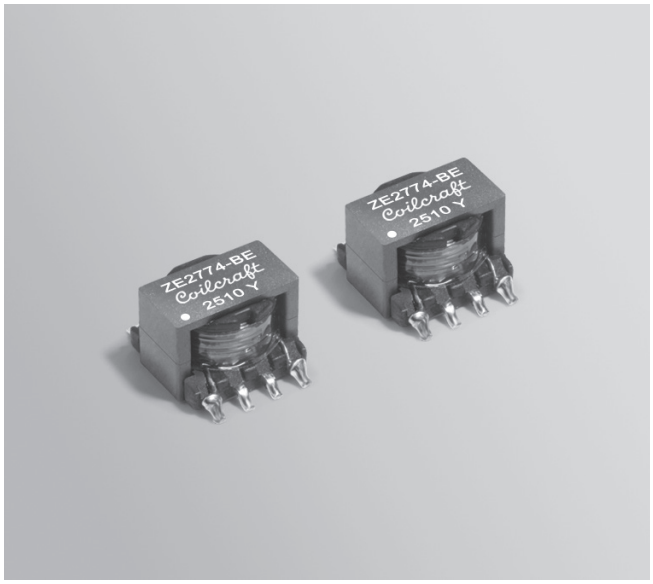
NEW!

Isolated Buck Transformer ZE2774-BE

RoHS/ REACH COMPLIANT

Halogen Free

AEC Q200 +125°C



- Optimized for the STEVAL-6986YT2DL iso-buck boost converter, based on the A6986I from STMicroelectronics
- Designed for an input voltage range of 5 to 24 V with dual isolated outputs (6 V and -3 V)
- Suitable for isolated GaN gate drivers, On-board chargers for HEV/EV, and industrial applications.
- Functional insulation only. Basic or reinforced versions can be made available per request.
- AEC-Q200 qualified

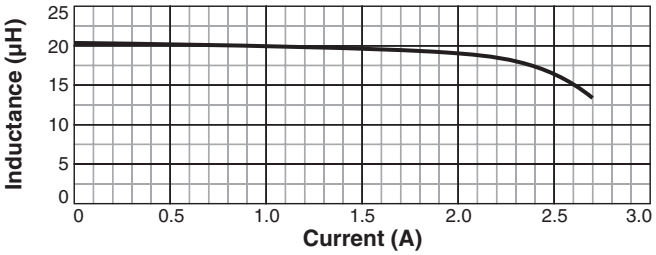
Core material Ferrite
Environment RoHS compliant, halogen free
Terminations Tin-silver-copper over tin over nickel over phos bronze
Weight 0.57 – 0.77 g
Ambient temperature –40°C to +125°C
Maximum part temperature +165°C (Ambient + temp rise)
Storage temperature Component: –40°C to +125°C
Tape and reel 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 900 per 13″ reel Plastic tape: 16 mm wide, 0.35 mm thick, 12 mm pocket spacing, 6.0 mm pocket depth
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)

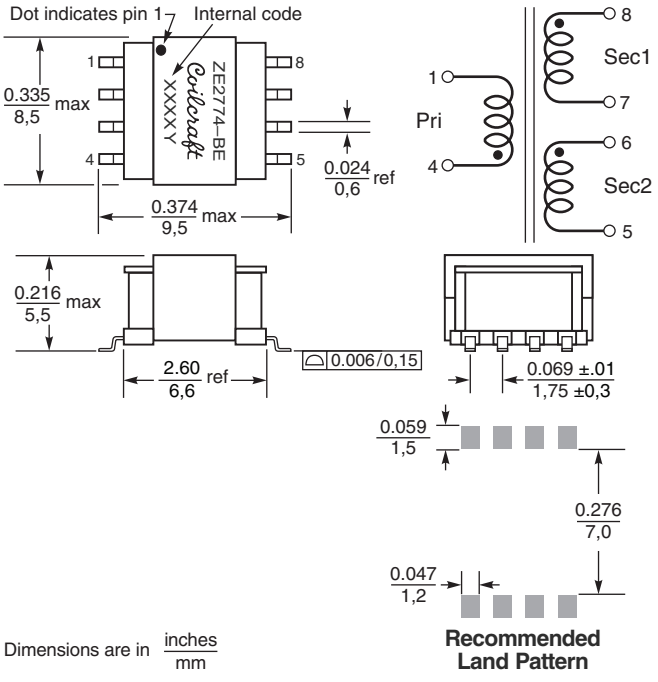
Part number[1]	Power (W)	Inductance at 0 A[2] ±10% (µH)	DCR max (Ohms) pri	sec1	sec2	Leakage inductance[3] max (µH)	Turns ratio pri : sec1 : sec2	Isolation[4] (Vrms)	Isat[5] (A)	Output
ZE2774-BED	1.8	20	0.17	0.43	0.3	0.41	1 : 0.5 : 0.273	1500	2.65	6 V, 0.20 A -3 V, 0.20 A

1. **Packaging:** **D** = 13″ machine-ready reel. EIA-481 embossed plastic tape (900 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer ($25 charge).
2. Inductance is for the primary, measured at 250 kHz, 0.1 Vrms, 0 Adc.
3. Leakage inductance is for the primary with the secondary windings shorted.
4. 1500 Vrms, one minute isolation (hipot) between primary and secondary.
5. DC current that causes the primary inductance to drop 30% from its value without current.
6. Electrical specifications at 25°C.

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

L vs Current





Dimensions are in inches / mm

Coilcraft
www.coilcraft.com

US +1-847-639-6400 sales@coilcraft.com
UK +44-1236-730595 sales@coilcraft-europe.com
Taiwan +886-2-2264 3646 sales@coilcraft.com.tw
China +86-21-6218 8074 sales@coilcraft.com.cn
Singapore + 65-6484 8412 sales@coilcraft.com.sg

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