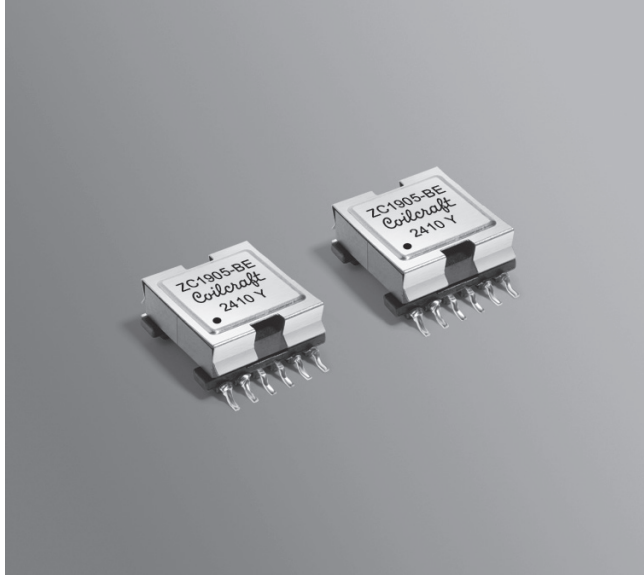


NEW!

Flyback Transformer ZC1905-BE



- Optimized for STEVAL-A6986IV3 from STMicroelectronics with an isobuck-boost topology and an input voltage of up to 28 V
- Suitable for isolated IGBT/SiC gate driver, On-board charger for HEV/EV, and industrial applications
- Higher isolation and creepage and clearance version is available per request
- AEC-Q200 qualified

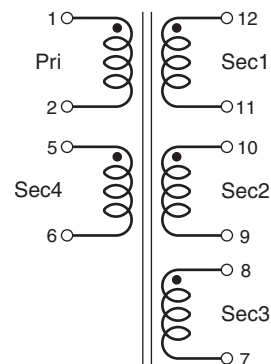
Core material Ferrite**Environment** RoHS compliant, halogen free**Terminations** Tin-silver-copper over tin over nickel over phos bronze**Weight** 5.1 – 5.3 g**Ambient temperature** –40°C to +125°C**Maximum part temperature** +165°C (Ambient + temp rise)**Storage temperature** Component: –40°C to +125°C

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** 200 per 13" reel Plastic tape: 44 mm wide, 0.4 mm thick, 28 mm pocket spacing, 9.3 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				Isolation ⁴ (Vrms)	Isat ⁵ (A)	Output ⁶		
		pri	sec1	sec2	sec3		sec4	pri	sec1	sec2				sec3	sec4
ZC1905-BED	20	0.05	1.95	1.95	1.95	1.13	0.25	1	2.69	2.69	2.69	2.69	1500	4.8	30 V, 0.10 A 30 V, 0.25 A

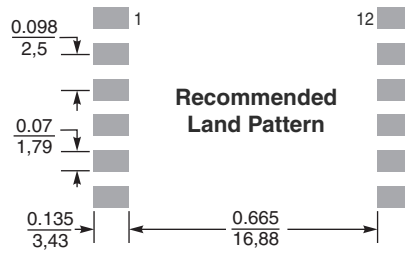
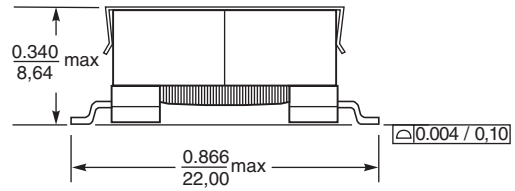
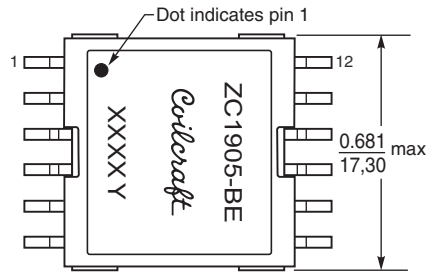
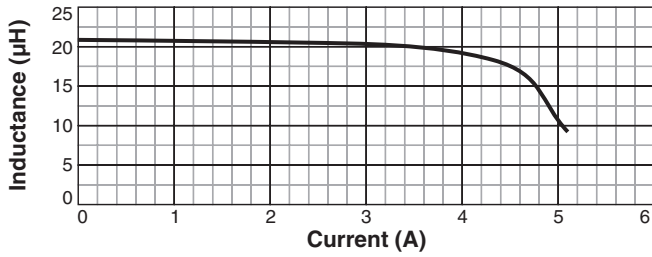
- Packaging:** D = 13" machine-ready reel. EIA-481 embossed plastic tape (200 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer (\$25 charge).
 - Inductance is for the primary, measured at 500 kHz, 0.1 Vrms, 0 Adc.
 - Leakage inductance is for the primary with the secondary windings shorted.
 - 1500 Vrms, one minute isolation (hipot) between primary and secondary windings.
 - DC current that causes the primary inductance to drop 30% from its value without current.
 - Sec1, Sec2, Sec3 outputs: 30 V, 0.10 A; Sec4 output: 30 V, 0.25 A
 - Electrical specifications at 25°C.
- Refer to Doc 362 "Soldering Surface Mount Components" before soldering.





Flyback Transformer for ZC1905-BE

L vs Current



Dimensions are in $\frac{\text{inches}}{\text{mm}}$