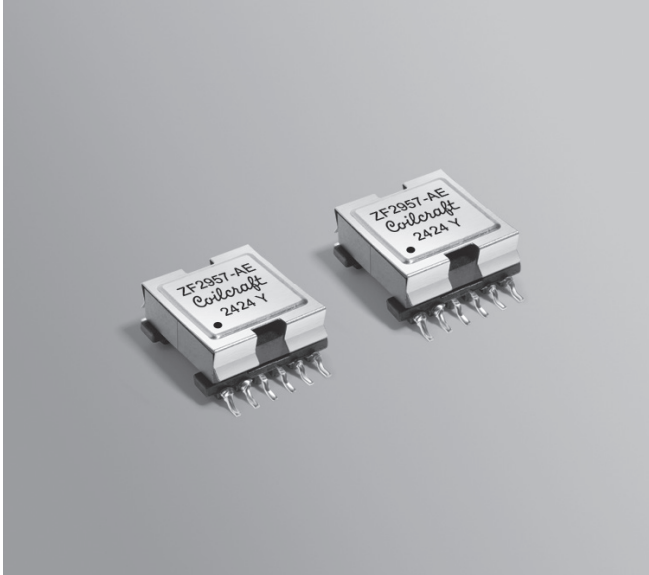


NEW!

Flyback Transformer ZF2957-AE



- 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
- Functional insulation only. Basic or reinforced 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 10.4 – 10.6 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

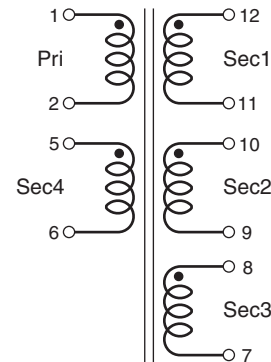
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles

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 ±20% (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
ZF2957-AED	22	0.085	4.35	4.35	4.35	1.50	0.25	1	2.4	2.4	2.4	2.4	1500	6	30 V, 0.50 A 30 V, 0.15 A

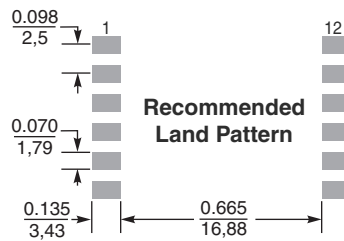
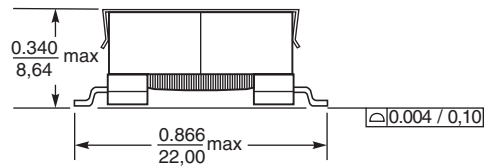
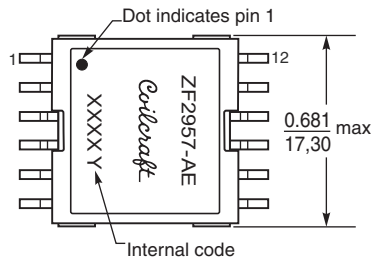
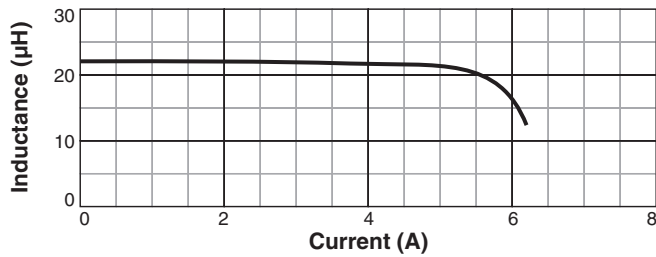
- Packaging:** D = 13" machine-ready reel. EIA-481 embossed plastic tape (200 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer (\$25 charge).
 - Inductance is for the primary, measured at 200 kHz, 0.1 Vrms, 0 Adc.
 - Leakage inductance 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, 0.15 A; Sec4 output: 30 V, 0.50 A.
 - Electrical specifications at 25°C.
- Refer to Doc 362 "Soldering Surface Mount Components" before soldering.





Flyback Transformer for ZF2957-AE

L vs Current



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