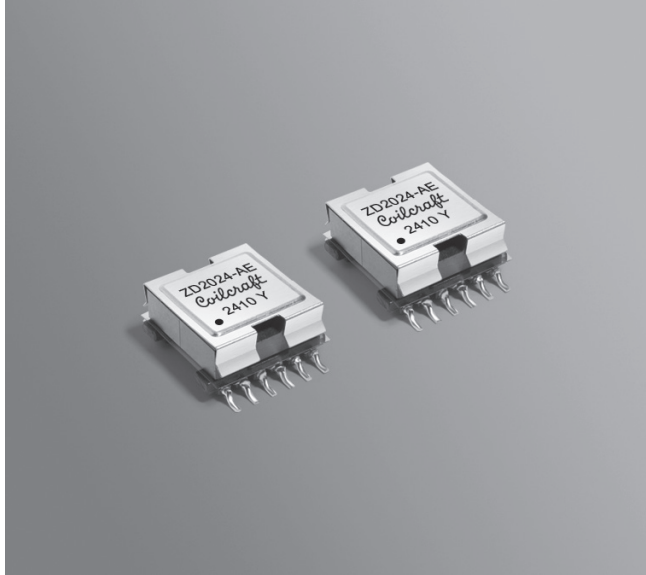


NEW!

Isolated Buck Transformer ZD2024-AE



- Designed for STMicroelectronics' STEVAL-250GANCB high-efficiency power adapter based on GaN and digital control
- Optimized for 12 V isolated-buck auxiliary power supply
- 2000 Vrms, one minute isolation (hipot) between primary and secondary
- AEC-Q200 qualified

Core material Ferrite

Environment RoHS compliant, halogen free

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

Weight 5.43 – 5.63 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

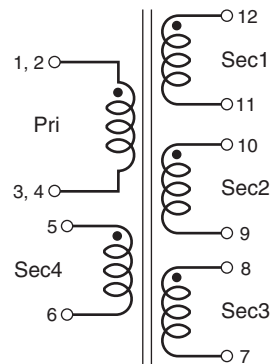
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles

Packaging 200/13" 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)

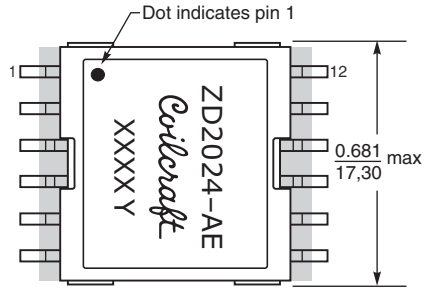
Part number ¹	L at 0 A ² ±10% (µH)	DCR max (Ohms)					Leakage L ³ max (µH)	Turns ratio pri : sec1 : sec2 : sec3 : sec4	Isolation ⁴ (Vrms)	Isat ⁵ (A)	Output
		pri	sec1	sec2	sec3	sec4					
ZD2024-AED	40	0.135	1.95	1.95	1.95	2.4	0.32	1 : 2.5 : 2.5 : 2.5 : 2.5	2000	3.8	12 V, 25 mA

- 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.
 - 2000 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.
 - Electrical specifications at 25°C.
- Refer to Doc 362 "Soldering Surface Mount Components" before soldering.

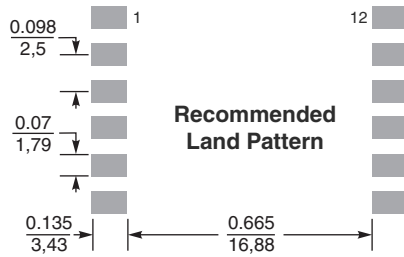
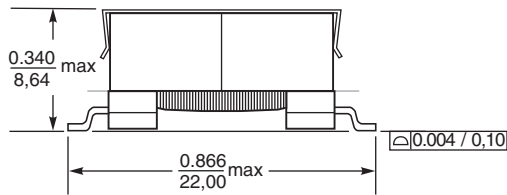
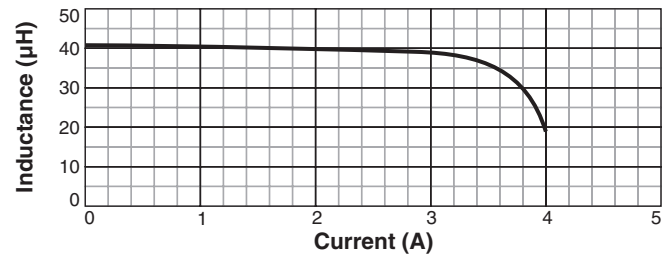




Flyback Transformer for ZD2024-AE



L vs Current



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