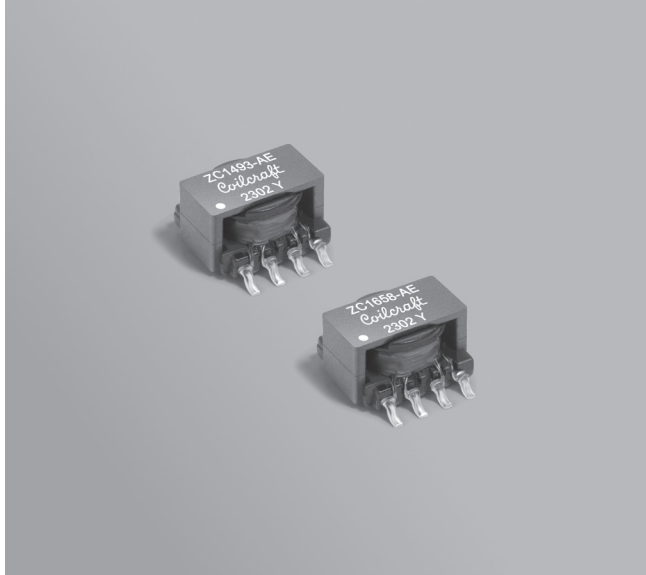


NEW!

No-Opto Flyback Transformers



- Optimized for MAX17690 No-Opto Isolated Flyback Controllers for Analog Devices
- Designed for 125–150 kHz with 10–28 V or 20–56 V input voltage
- 1500 Vrms, one minute isolation (hipot) between primary and secondary windings

Core material Ferrite**Terminations** RoHS tin silver copper over tin over nickel over phos bronze. Other terminations available at additional cost.**Weight** 0.90 – 1.0 g**Max part temperature** +125°C (including 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**Moisture Sensitivity Level (MSL)** 1 (unlimited floor life at <30°C / 85% relative humidity)**Packaging** 600/13" reel Plastic tape: 24 mm wide, 0.37 mm thick, 16 mm pocket spacing, 6.1 mm pocket depth**PCB washing** Tested with pure water or alcohol only. For other solvents, see Doc787_PCB_Washing.pdf

Part number ¹	Inductance at 0 A ² ±10% (µH)	Isat ³ (A)	DCR max (Ohms)		Leakage inductance max (µH) ⁴	Turns ratio pri : sec	Isolation ⁵ (Vrms)	Output
			pri	sec				
10 – 28 V input								
ZC1493-AED	16.45 @ 125 KHz	2.4	0.077	0.026	0.296	1 : 0.419	1500	5 V, 1.47 A
ZC1495-AED	16.45 @ 125 KHz	2.4	0.088	0.177	0.24	1 : 1	1500	12 V, 0.66 A
ZC1610-AED	16.45 @ 150 KHz	2.4	0.088	0.500	0.24	1 : 1.75	1500	24 V, 0.20 A
20 – 56 V input								
ZC1494-AED	65.78 @ 130 KHz	1.5	0.396	0.036	1.2	1 : 0.218	1500	5 V, 1.47 A
ZC1496-AED	65.78 @ 130 KHz	1.5	0.396	0.178	1.2	1 : 0.502	1500	12 V, 0.66 A
ZC1658-AED	65.80 @ 150 KHz	1.5	0.396	0.570	1.2	1 : 0.857	1500	24 V, 0.20 A

1. **Packaging:** D = 13" machine-ready reel. EIA-481 embossed plastic tape (600 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 0.1 Vrms, 0 Adc.

3. DC current that causes the primary inductance drop 30% from its value without current. [Click for temperature derating information.](#)

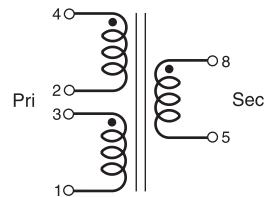
4. Leakage Inductance is for the primary, measured with secondary windings shorted together.

5. 1500 Vrms, one minute isolation (hipot) between primary and secondary windings.

6. Electrical specifications at 25°C.

Refer to Doc 362 "Soldering Surface Mount Components" before soldering.

Schematics



Connect pins 4, 3 and 2, 1 on the PCB board.



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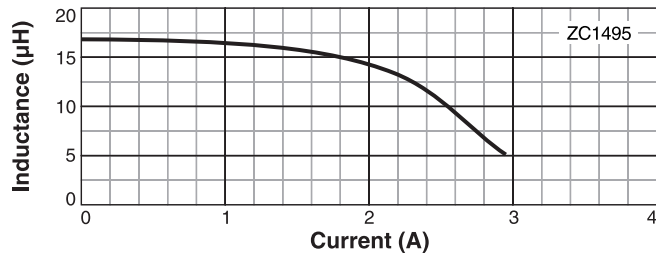
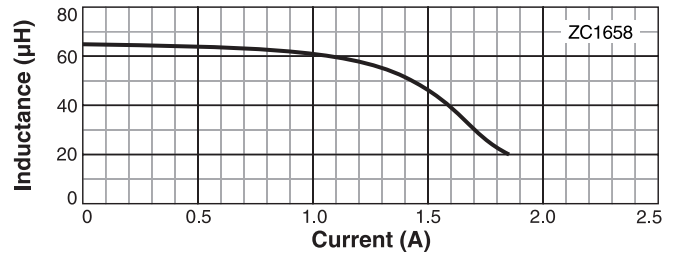
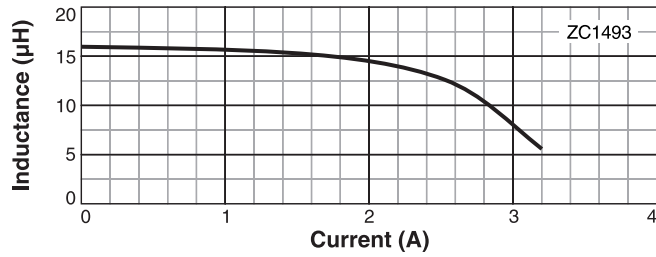
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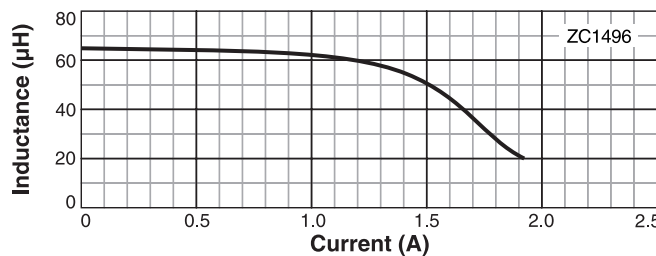
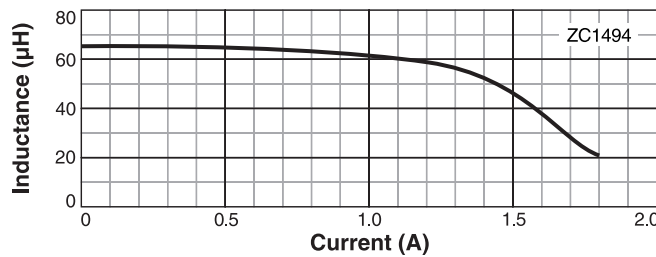
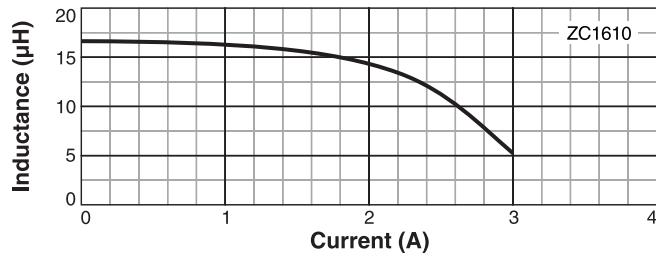
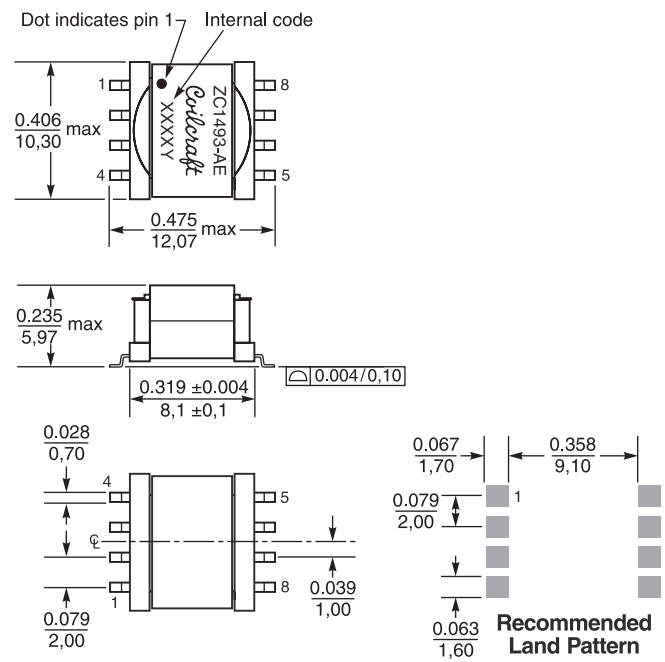


No-opto Flyback Transformers

L vs Current



Dimensions



Dimensions are in inches / mm



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