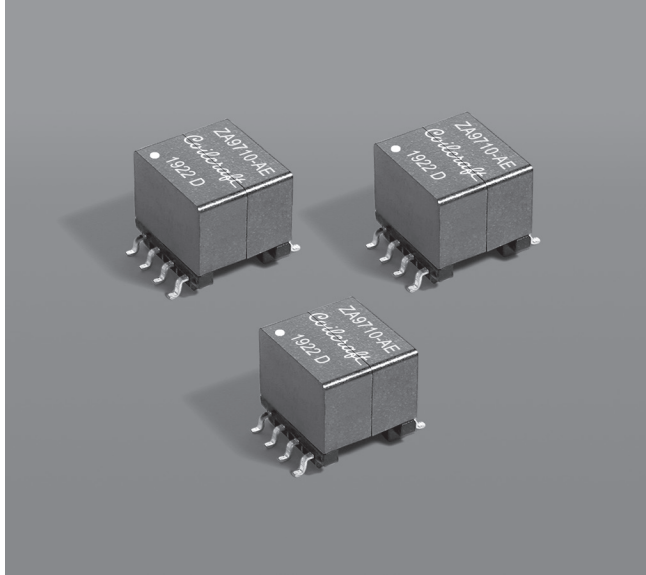


NEW!

Flyback Transformer



- Designed for TI IGBT/SiC isolated gate driver
- Optimized for 300 kHz with 4.5 – 70 V input
- 3000 Vrms, one minute isolation (hipot) between primary and secondary

Core material Ferrite**Terminations** RoHS tin-silver-copper over tin over nickel over phos bronze. Other terminations available at additional cost.**Weight** 2.7 g**Ambient temperature** –40°C to +85°C**Max Part Temperature** +125°C (ambient + temperature 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)**Failures in Time (FIT) / Mean Time Between Failures (MTBF)**

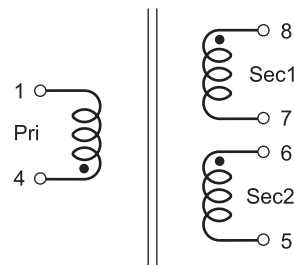
38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332

PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. 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 | | Isolation ⁵ (Vrms) | Power (W) | Output |
|--------------------------|--|-----------------------|----------------|-------|-------|--|-------------|--------|-------------------------------|-----------|---|
| | | | pri | sec1 | sec2 | | pri : sec1 | : sec2 | | | |
| ZA9710-AED | 30 | 3.25 | 0.169 | 0.324 | 0.190 | 0.35 | 1 : 1 | 0.53 | 3000 | 4.6 | 15 V, 0.2 A (sec1) 8 V, 0.2 A (sec2) |

- Packaging:** D = 13" machine-ready reel. EIA-481 embossed plastic tape (350 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 300 kHz, 0.1 Vrms, 0 Adc.
 - DC current that causes the primary inductance drop 30% from its value without current.
 - Leakage inductance is for the primary winding with the secondary windings shorted.
 - 3000 Vrms, one minute isolation (hipot) between windings.
 - Electrical specifications at 25°C.
- Refer to Doc 362 "Soldering Surface Mount Components" before soldering.

Schematic



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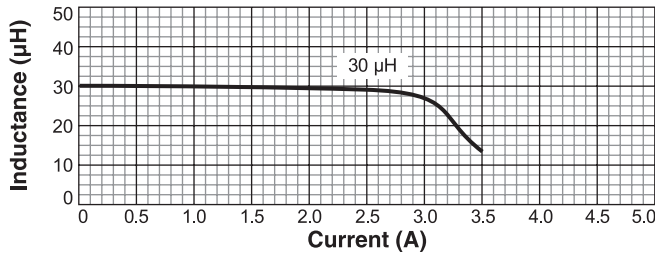
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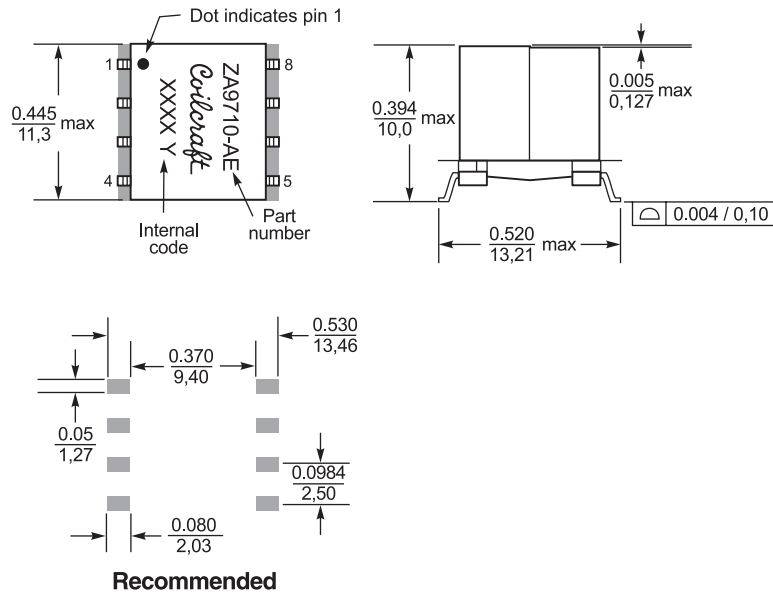


Flyback Transformer

L vs Current



Dimensions



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

Packaging 350/13" reel Plastic tape: 24 mm wide, 0.50 mm thick, 16 mm pocket spacing, 10.4 mm pocket depth



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Document 1616-2 Revised 4/28/20

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