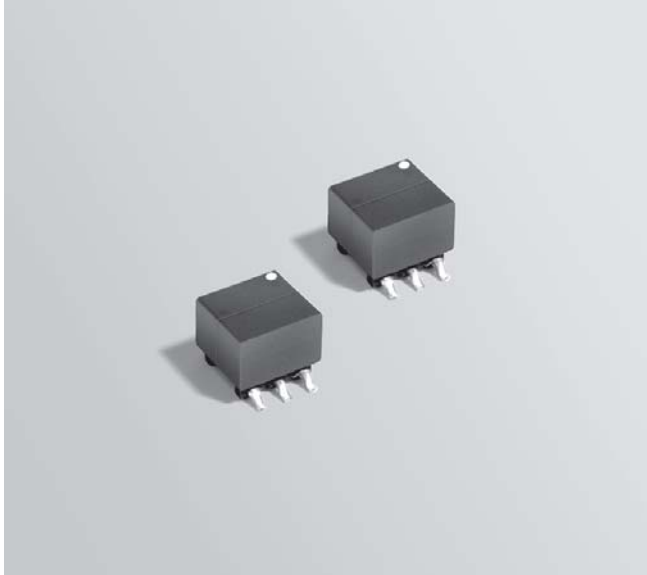


SMT Gate Drive Transformers



These surface mount transformers are designed for high switching speed, transformer coupled MOSFET and IGBT gate drive circuits operating from 50 kHz to as high as 2 MHz. They offer low leakage inductance and excellent interwinding capacitance. Primary to secondary isolation is 1500 Vdc, and for DA2317-AL and DA2320-AL, isolation between secondaries is 500 Vdc.

They are available in four different turns ratios and with one or two secondaries to meet a variety of applications.

The industry standard EP5 package requires less than 55 mm² of board space, allowing for high density mounting.

Request free evaluation samples by contacting Coilcraft or visiting www.coilcraft.com.

Part number ¹	Turns ratio pri : sec	Primary inductance ² min (μH)	Leakage inductance ³ max (μH)	Primary DCR max (Ohms)	Secondary DCR max (Ohms)	Volt-time product (V-μsec)	SRF min ⁴ (MHz)	Capacitance pri to sec max (pF)
DA2319-AL_	1 : 1	296.0	1.5	0.795	0.655	25.8	2.23	14.0
DA2318-AL_	1.5 : 1	680.0	4.0	1.65	0.860	40.8	1.00	14.0
DA2320-AL_	1 : 1 : 1	264.0	0.30	1.50	1.50 (2-5; 3-4)	24.5	3.60	95.0
DA2317-AL_	2 : 1 : 1	330.0	0.60	1.40	0.650 (2-5); 0.790 (3-4)	24.5	4.00	18.0

1. When ordering, please specify **packaging** code:

DA2320-ALC

Packaging: **C** = 7" machine-ready reel. EIA-481 embossed plastic tape (250 parts per full reel).

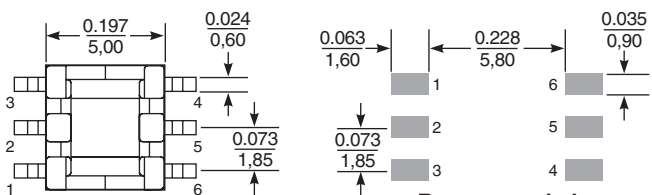
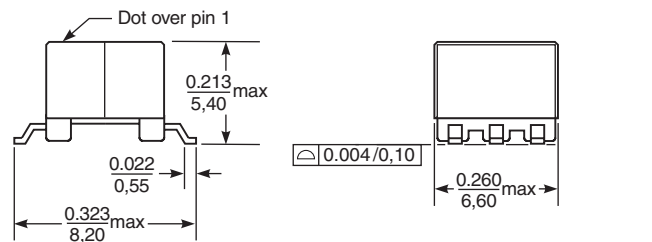
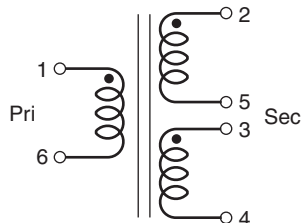
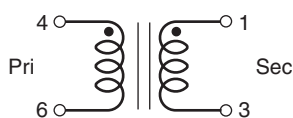
B = Less than full reel. In tape, but not machine ready. To have a leader and trailer added (\$25 charge), use code letter C instead.

D = 13" machine-ready reel. EIA-481 embossed plastic tape. Factory order only, not stocked (1000 parts per full reel).

- Inductance measured at 100 kHz, 0.1 Vrms, 0 Adc
- Leakage inductance measured at 100 kHz, 0.1 Vrms with secondary pins shorted.
- SRF measured with coils connected in series using an Agilent/HP 4192 or equivalent.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

DA2318-AL, DA2319-AL

DA2317-AL, DA2320-AL



Recommended Land Pattern

Weight: 535 – 580 mg
Terminations: Tin-silver over tin over nickel over phos bronze
Tape and reel: 250/7" reel; 1000/13" reel 16 mm tape width

Coilcraft®

Specifications subject to change without notice.
 Please check our website for latest information.

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1102 Silver Lake Road Cary, Illinois 60013 Phone 847/639-6400 Fax 847/639-1469

E-mail info@coilcraft.com Web <http://www.coilcraft.com>