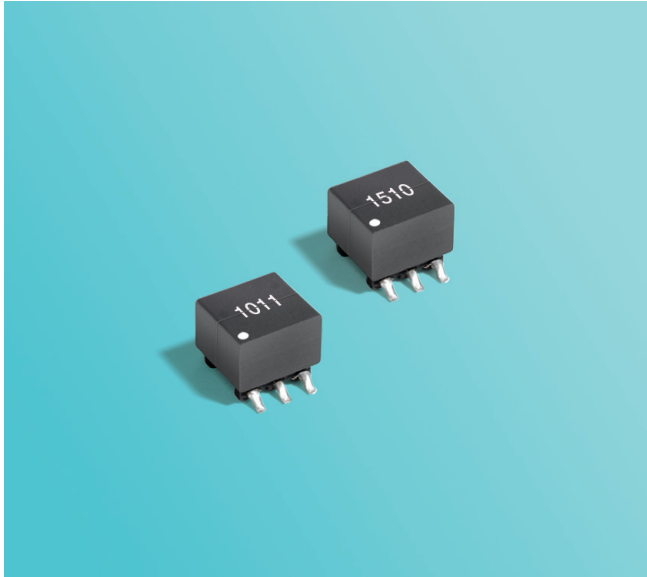


Outgassing Compliant Gate Drive Transformers



- Designed for high switching speed, transformer coupled MOSFET and IGBT gate drive circuits.
- Operating frequency: 50 kHz – 2 MHz
- Primary to secondary isolation: 1500 Vdc. For 1011 and 2011, isolation between secondaries is 500 Vdc.

Core material Ferrite

Terminations Tin-lead over tin over nickel over phos bronze.

Weight 535 – 580 mg

Ambient temperature -55°C to +125°C

Storage temperature Component: -55°C to +125°C.

Tape and reel packaging: -55°C to +80°C

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

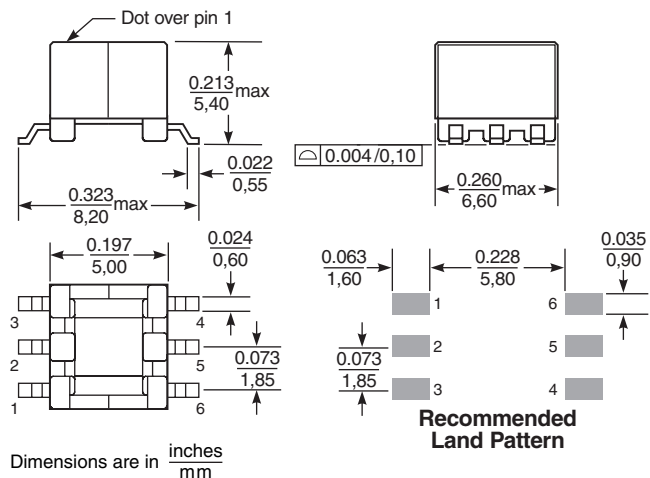
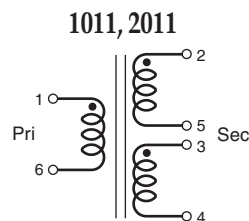
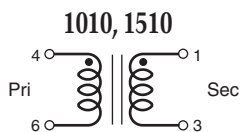
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)

Packaging 250/7" reel Plastic tape: 16 mm wide, 0.36 mm thick, 20 mm pocket spacing, 5.54 mm pocket depth

PCB washing Only pure water or alcohol recommended

Part number	Turns ratio pri : sec	Primary inductance ¹ min (µH)	Leakage inductance ² max (µH)	Primary DCR max (Ohms)	Secondary DCR max (Ohms)	Volt-time product (V-µsec)	SRF min ³ (MHz)	Capacitance pri to sec max (pF)
CP-N0531-1010SZ	1:1	296.0	1.5	0.795	0.655	25.8	1.75	14.0
CP-N0531-1510SZ	1.5:1	680.0	4.0	1.65	0.860	40.8	1.00	14.0
CP-N0531-1011SZ	1:1:1	264.0	0.30	1.50	1.50 (2-5; 3-4)	24.5	2.50	95.0
CP-N0531-2011SZ	2:1:1	330.0	0.60	1.40	0.650 (2-5); 0.790 (3-4)	24.5	2.00	18.0

1. Inductance measured at 100 kHz, 0.1 Vrms, 0 Adc
 2. Leakage inductance measured at 100 kHz, 0.1 Vrms with secondary pins shorted.
 3. SRF is for the primary, measured with the secondary shorted using an Agilent/HP 4192 or equivalent.
 4. Electrical specifications at 25°C.
- Refer to Doc 362 "Soldering Surface Mount Components" before soldering.



Dimensions are in inches/mm



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This product may not be used in medical or high risk applications without prior Coilcraft approval. Specifications subject to change without notice. Please check our web site for latest information.