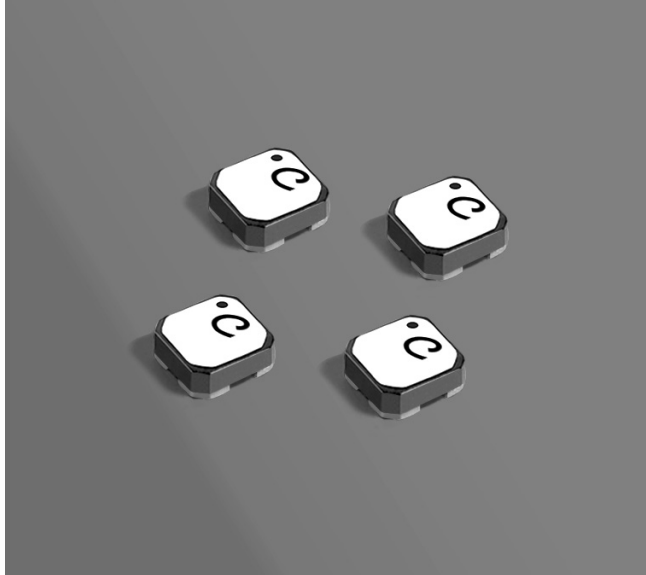




Shielded Coupled Inductor

For Maxim
MAX14521E



- Developed for Maxim MAX14521E High-Voltage EL Lamp Driver with I²C Interface
- Used as a 1 : 8 autotransformer
- Shielded part for high-density applications

Core material Ferrite

Environmental RoHS compliant, halogen free optional

Terminations RoHS compliant silver-palladium-platinum-glass frit.

Weight 32 mg

Ambient temperature -40°C to +85°C with I_{rms} current, +85°C to +125°C with derated current

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

Temperature Coefficient of Inductance (TCL) +50 to +150 ppm/°C

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

Packaging 1000/7" reel; 3500/13" reel; Plastic tape: 12 mm wide, 0.23 mm thick, 8 mm pocket spacing, 1.4 mm pocket depth

PCB washing Only pure water or alcohol recommended

Part number ¹	Inductance ±20% (μH) ²		DCR max (Ohms)		Turns ratio L1 : L2	Isat ³ (A)
	L1	L2	L1	L2		
GA3250-BL_	1.9	112	1.29	11.19	1 : 8	0.7

1. When ordering, please specify **termination** and **packaging** codes:

GA3250-BLC

Termination: L = RoHS compliant silver-palladium-platinum-glass frit.

E = Halogen free component. RoHS compliant silver-palladium-platinum-glass frit terminations.

Special order, added cost:

T = RoHS tin-silver-copper (95.5/4/0.5) or

S = non-RoHS tin-lead (63/37).

Packaging: C = 7" machine-ready reel. EIA-481 embossed plastic tape (1000 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.

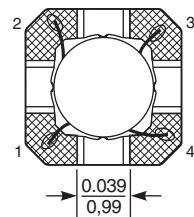
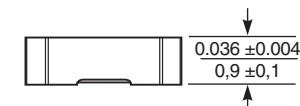
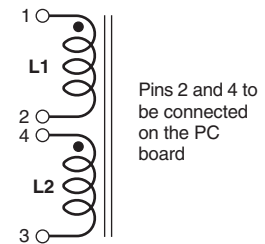
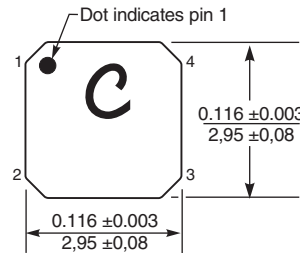
D = 13" machine-ready reel. EIA-481 embossed plastic tape. Factory order only, not stocked (3500 parts per full reel).

2. Inductance measured at 100 kHz, 0.1 Vrms, 0 Adc using an Agilent/HP 4284A LCR meter or equivalent.

3. DC current at which the inductance of L1 drops 20% (typ) from its value without current.

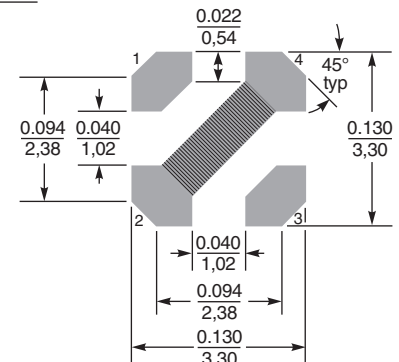
4. Electrical specifications at 25°C.

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



Dimensions are in inches/mm

Recommended Land Pattern



Cover area with solder mask.



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