Elec & Eltek依利安達
E & E Magnetic Products Limited

SMT POWER INDUCTOR
Coupled Inductor for VRM/VRD Applications
PATENTED IKOR COUPLED INDUCTOR TECHNOLOGY

- Design for IA32 /IA64 ‘s VRM and VRD applications
- Suitable for Server, High-End Workstation, Graphics and Module applications
- Compact SMT package
- Design to withstand IR-reflow with peak temperature per IPC/JEDEC J-STD-020C
- Operating temperature 0°C to +70°C.
- RoHS compliant version

ELECTRICAL SPECIFICATION @ 25°C

RoHS Part Number	Inductance (1-2) (uH)	Inductance (3-4) (uH)	Leakage Inductance (nH)	DCR (mOhm)
	± 30%	± 30%		MAX
835-00655-1F	0.5	0.5	45 - 60	0.3

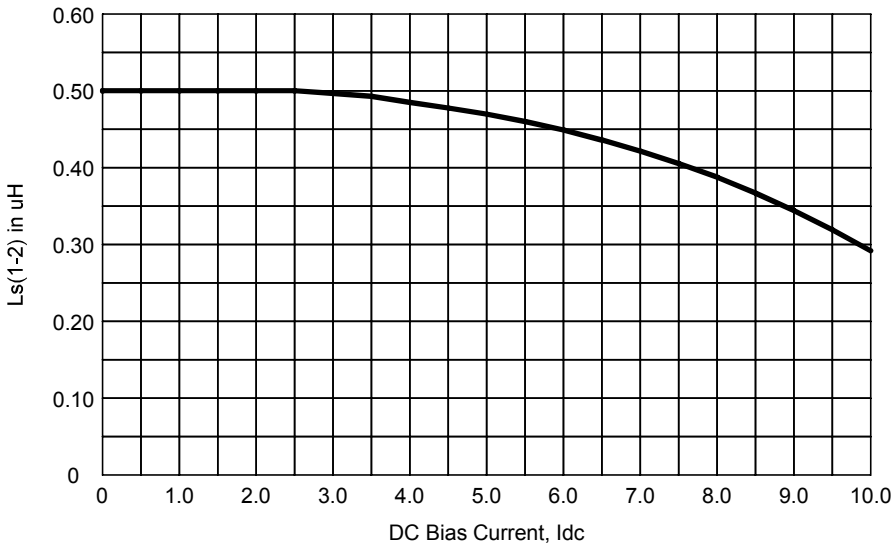

Figure: Typical Ls(1-2) versus DC Bias Current

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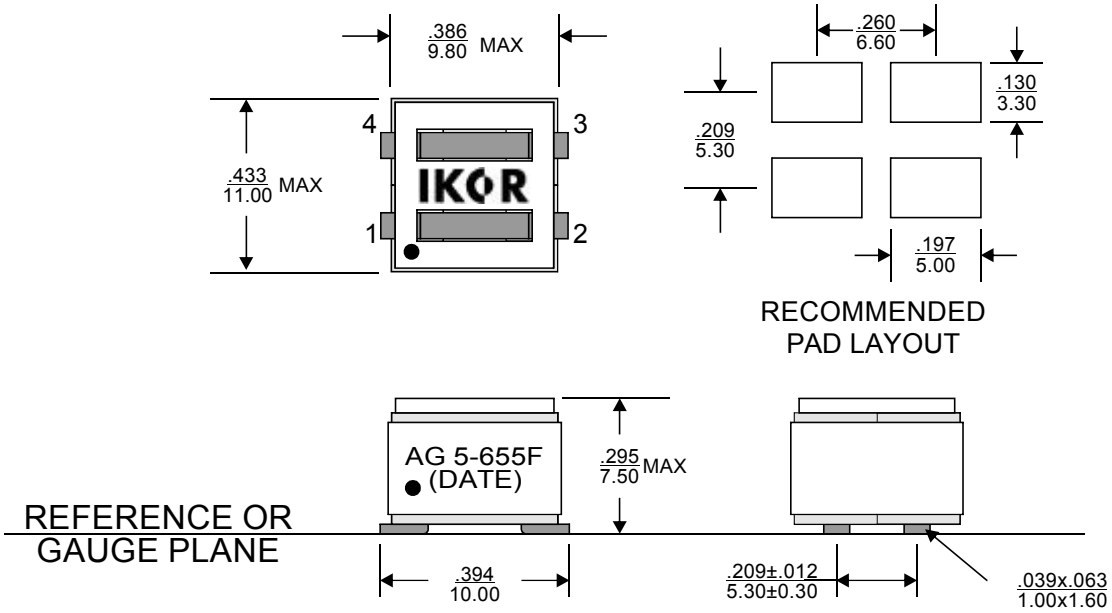
MECHANICAL DIMENSIONS



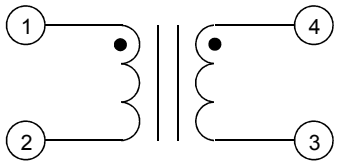
Notes:

1. All dimensions are specified in $\frac{\text{inches}}{\text{mm}}$ with higher precedence in inches.
2. Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$.
3. Coplanarity: $\frac{.004}{0.10}$ max.

Weight (in gram)	:	2.2 typ.
Tape & Reel	:	450 / reel

SCHEMATICS

835-00655-1F



DISCLAIMER

The technology utilized in conjunction with the coupled inductor ("the CL") described in this data sheet includes intellectual property (the "IP") owned by iWatt, Inc. and is covered by one or more of the following U.S. patents: 6,545,450; 6,686,727; 6,696,823. In connection with the end customer's purchase of the CL from "E&E Magnetic Products Limited", the end customer is hereby granted a non-exclusive, worldwide, royalty-free license (without rights to sub-license) to use and incorporate the IP in the end customer's product that also incorporates the CL. In no way does this license extend to customer end products which do not incorporate the CL to implement the IP.

FOR MORE INFORMATION, PLEASE CONTACT

HEADQUARTER
2/F Block A, Merit Industrial Centre,
94 Tokwawan Road, Kowloon,
Hong Kong
Tel: (852) 2765 3888
Fax: (852) 2954 3304
Email: eempl@eleceltek.com
(or) sales@eemplusa.com
Website: http://www.eleceltek.com