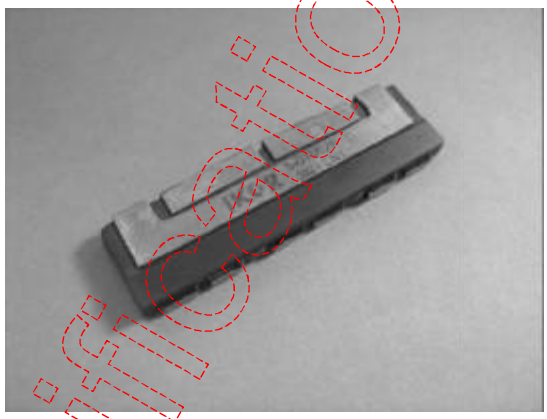
Elec & Eltek 依利安達
E & E Magnetic Products Limited

SMT POWER INDUCTOR

3-Phase 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
- Integrated surface mount package
- Wide operating temperature range
- RoHS compliant

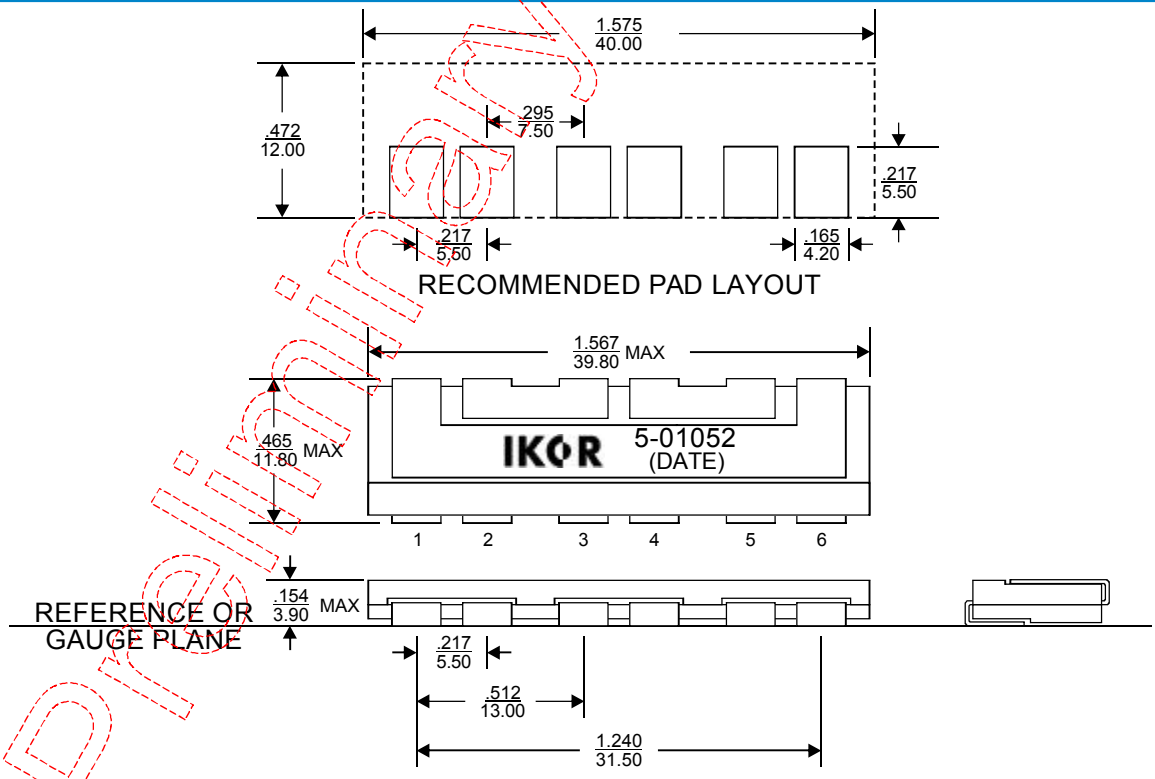


ELECTRICAL SPECIFICATION @ 25°C

RoHS Part Number	Turns Ratio (± 1%)	Inductance (uH)		Leakage Inductance (nH)			DCR (mOhm)	
	(1-6):(2-3):(4-5)	(1-6)	(2-3) or (4-5)	(1-6), short 2-3	(1-6), short 4-5	(2-3), short 4-5	(1-6)	(2-3) or (4-5)
835-01052F	1 : 1 : 1	471 - 707	471 - 707	384 - 576	384 - 576	379 - 569	1.12 ± 0.12	0.61 ± 0.10

1. The design parameters of single inductor are not measured at assembly level.
2. Inductance is measured at 500kHz, 1Vrms and leakage inductance is measured at 1MHz, 1Vrms.
3. Operating temperature range: 0°C to +125°C. The part temperature (ambient temperature + temperature rise) should not exceed the upper limit of the operating temperature under worst case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

MECHANICAL DIMENSIONS



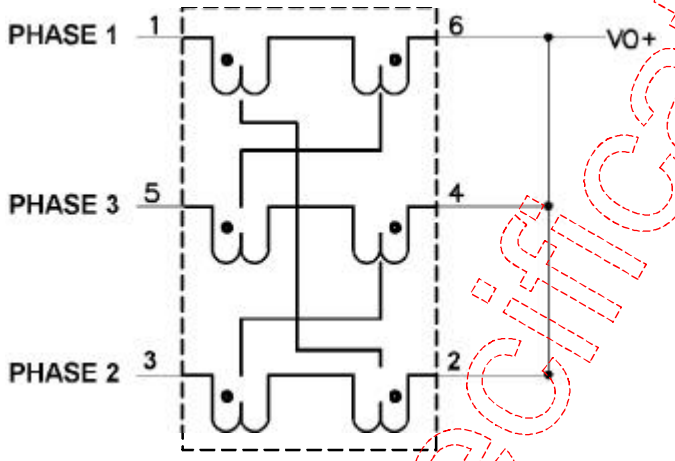
Notes:

4. All dimensions are specified in inches / mm with higher precedence in inches.
5. Unless otherwise specified, all tolerances are ± .010 / 0.25.

Weight (in gram)	:	6.5 typ.
Tape & Reel	:	700 / reel

SCHEMATICS

835-01052F



SCHEMATIC

DISCLAIMER

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FOR MORE INFORMATION, PLEASE CONTACT

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