




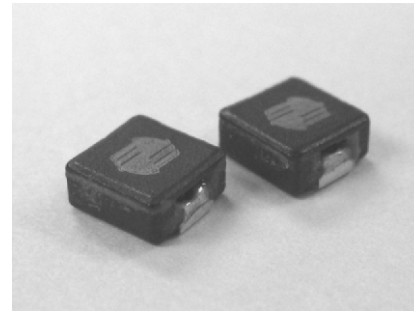


-  Available in low profile and used in high power application
-  Large permissible DC current
-  Ideal for computers and portable power devices, DC-DC converters, energy storage applications and Input-Output filter applications
-  Operating temperature -40 C to +130 C
-  RoHS compliant versions are available



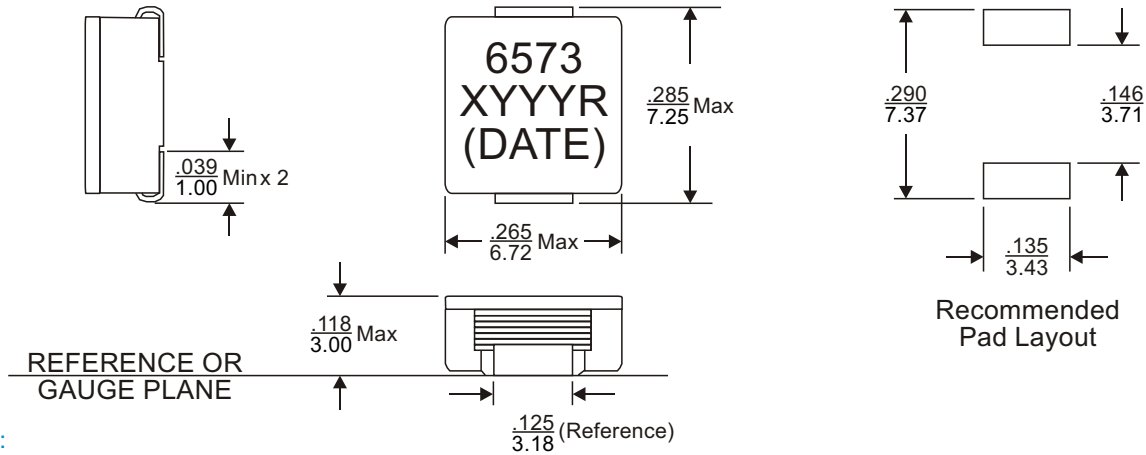
ELECTRICAL SPECIFICATION @ 25°C

Part Number	Inductance ² (H 20%)	DCR (m Max)	Rated ³ Current (A)	Test ⁴ Frequency (kHz)	Marking (YYYY)
SIS6573M-R10R	0.10	1.7	22.0	100	MR10
SIS6573M-R15R	0.15	2.5	19.5	100	MR15
SIS6573M-R20R	0.20	3.0	17.0	100	MR20
SIS6573M-R33R	0.33	3.9	15.0	100	MR33
SIS6573M-R47R	0.47	4.2	12.5	100	MR47
SIS6573M-R68R	0.68	5.5	10.5	100	MR68
SIS6573M-1R0R	1.00	10.0	8.5	100	M1R0
SIS6573M-1R5R	1.50	15.0	6.5	100	M1R5
SIS6573M-2R2R	2.20	20.0	5.7	100	M2R2
SIS6573M-3R3R	3.30	30.0	4.5	100	M3R3
SIS6573M-4R7R	4.70	40.0	3.9	100	M4R7
SIS6573M-6R8R	6.80	60.0	3.2	100	M6R8
SIS6573M-8R2R	8.20	74.0	2.91	100	M8R2
SIS6573M-150R	15.0	127.0	2.22	100	M150
SIS6573M-220R	22.0	135.0	2.20	100	M220

Notes:

1. Ordering Information: SIS6573a - bbbRc.
 SIS6573 = Product Type.
 a = Tolerance of Inductance (M = ±20%).
 bbb = Inductance value in uH (i.e. R47 = 0.47uH; 4R7 = 4.7uH; 150 = 15uH).
 R = Internal Control Code.
 c = Packaging Code (T = Tape & Reel Packaging in 13 inch Reel).
2. Inductance is tested at 100kHz, 0.1Vrms, 0Adc.
3. Rated current indicates the current value when the inductance drops by approximate 10% of its initial value or for an approximate 40 C temperature rise.
4. 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

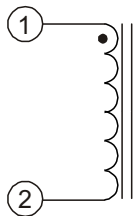


Notes:

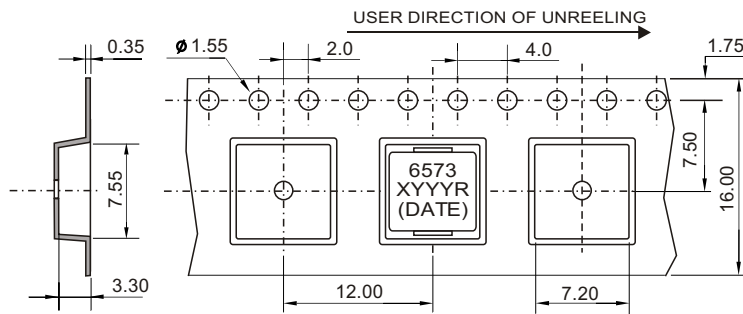
- All dimensions are specified in inches with higher precedence in mm.
- Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$.

Weight (in gram)	: 1.0 typ.
Tape & Reel	: 1500 / reel

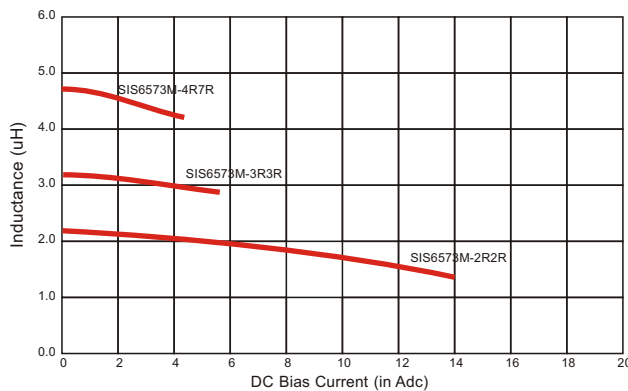
SCHEMATIC



PACKAGING



Inductance vs DC Bias Curves



Typical Inductance versus DC Bias Current, measured at 25deg.C

FOR MORE INFORMATION, PLEASE CONTACT

HEADQUARTER
1/F., Harbour View 1, No.12 Science Park East Avenue,
Phase II, Hong Kong Science Park, Shatin, N.T.
Hong Kong
Tel: (852) 2954 3333 Fax: (852) 2954 3304
Email: eempl@eleceltek.com
Website: <http://www.eleceltek.com> / www.eemagnetic.com

Information herein is for reference only and subject to change without notice. It does not constitute any representation, warranty or commitment of the company in respect of the products in any aspect. All logos, brands and product names mentioned herein are trademarks or registered trademarks of their respective owners. The company does not assume any liability arising out of the application or use of any product or circuit described herein. Copyrights 2009, E & E Magnetic Products Limited.

1/F., Harbour View 1, No.12 Science Park East Avenue, Phase II, Hong Kong Science Park, Shatin, N.T. Hong Kong
Tel: (852) 2954 3333 • Fax: (852) 2954 3304