




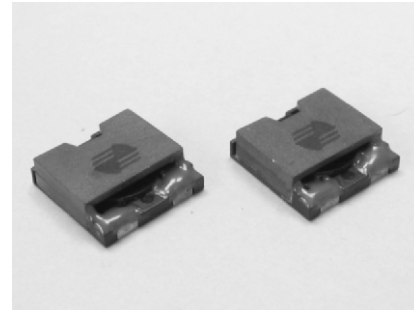


-  Magnetically Shielded
-  High energy storage
-  Ideal for high current requirements of notebook, video recorders and other DC-DC conversion applications
-  Custom inductance value or tolerance is available
-  RoHS compliant



ELECTRICAL SPECIFICATION @ 25°C

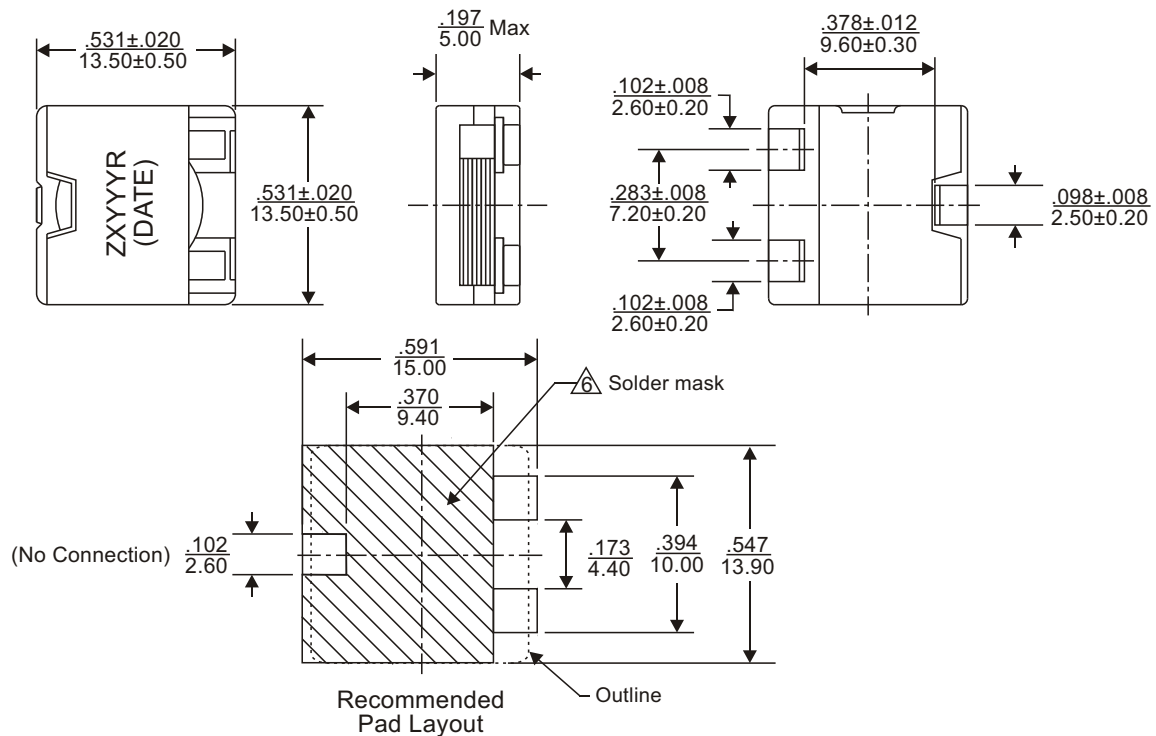
Part Number	Inductance ² (uH)	Inductance Tolerance (%)	DCR (m Max)	Rated DC ³ Current (A)	Marking (ZYYYY)
SIS134LN-0R4R	0.4	±30	1.9	18.5	LN0R4
SIS134LM-0R9R	0.9	±20	2.5	17.0	LM0R9
SIS134LM-1R6R	1.6	±20	3.7	15.0	LM1R6
SIS134LM-2R5R	2.5	±20	6.6	10.5	LM2R5
SIS134LM-3R6R	3.6	±20	10.8	8.0	LM3R6
SIS134LM-4R8R	4.8	±20	12.0	7.5	LM4R8
SIS134LM-6R4R	6.4	±20	16.3	7.0	LM6R4
SIS134LM-8R0R	8.0	±20	18.4	6.5	LM8R0
SIS134HN-0R3R	0.3	±30	1.9	18.5	HN0R3
SIS134HN-0R6R	0.66	±30	2.5	17.0	HN0R6
SIS134HM-1R2R	1.2	±20	3.7	15.0	HM1R2
SIS134HM-1R8R	1.8	±20	6.6	10.5	HM1R8
SIS134HM-2R7R	2.7	±20	10.8	8.0	HM2R7
SIS134HM-3R6R	3.6	±20	12.0	7.5	HM3R6
SIS134HM-4R8R	4.8	±20	16.3	7.0	HM4R8
SIS134HM-6R0R	6.0	±20	18.4	6.5	HM6R0

Notes:

1. Ordering Information: SIS134L/Ha - bbbRc.
 SIS134L/H = Product Type.
 a = Tolerance of Inductance (M = ±20%; N = ±30%) .
 bbb = Inductance value in uH (i.e. 0R4 = 0.4uH; 3R6 = 3.6uH) .
 R = Internal Control Code.
 c = Packaging Code (T = Tape & Reel Packaging in 13 inch Reel).
2. Inductance is tested at 100kHz.
3. Rated D.C. current indicates the value of the current when the inductance is 35% (tolerance is ±30%) or 25% (tolerance is ±20%) lower than its initial value and the temperature rising T=40°C at D.C. Superposition.
4. Operating temperature range: -40°C to +130°C.
5. 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

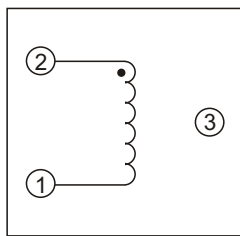


Notes:

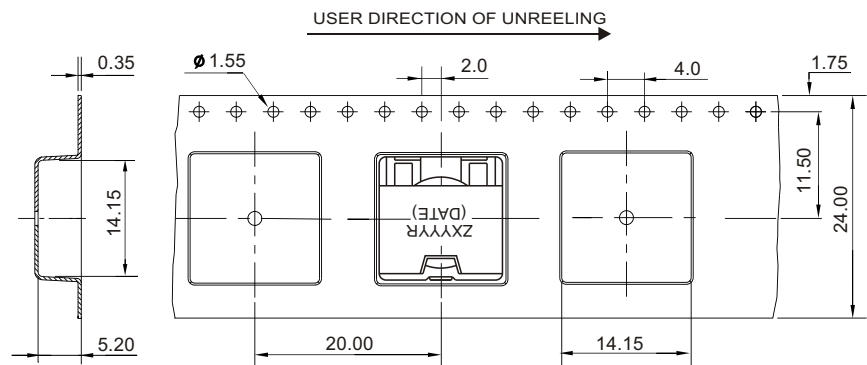
- In order to prevent short-circuiting, solder mask is recommended.
- All dimensions are specified in $\frac{\text{inches}}{\text{mm}}$ with higher precedence in mm.
- Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$.

Weight (in gram)	: 3.0 typ.
Tape & Reel	: 550 / reel

SCHEMATIC



PACKAGING



FOR MORE INFORMATION, PLEASE CONTACT

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