






-  Magnetically Shielded
-  Miniature in size and high energy storage
-  Ideal for Mobilephone,PDA,MP3,DSC/DVC,  
Portable DVD and other DC-DC conversion  
applications
-  Custom inductance value or tolerance is available
-  RoHS compliant



**ELECTRICAL SPECIFICATION @ 25°C**

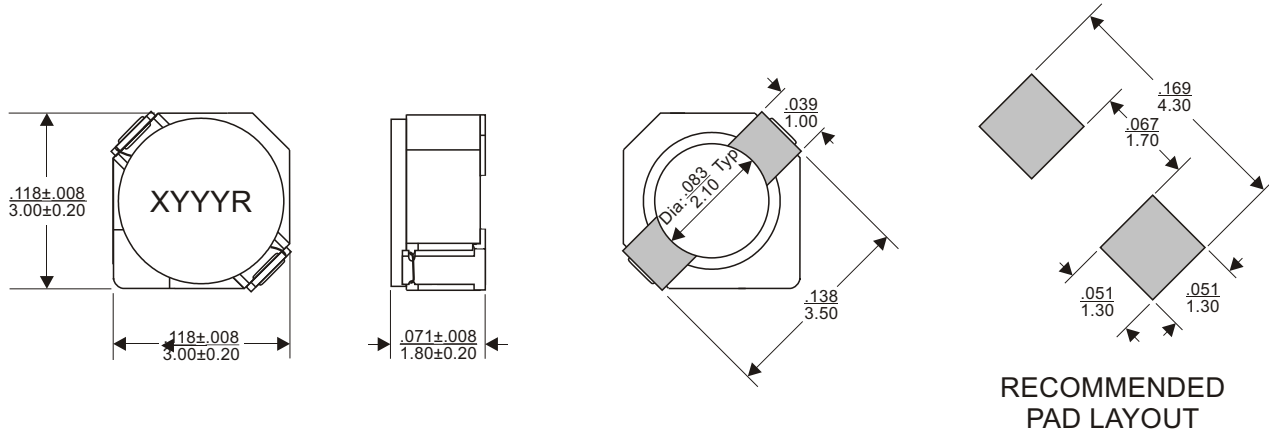
Part Number	Inductance ( H )	Inductance Tolerance(%)	Test <sup>2</sup> Frequency (kHz)	DCR (m ) Max	Rated D.C. Current <sup>3</sup> Idc (A)	Marking (YYYY)
		N				
SIS2D18HPN-1R7R	1.7	±30	100	44	1.85	N1R7
SIS2D18HPN-2R2R	2.2	±30	100	60	1.60	N2R2
SIS2D18HPN-3R3R	3.3	±30	100	86	1.45	N3R3
SIS2D18HPN-4R7R	4.7	±30	100	140	1.20	N4R7
SIS2D18HPN-6R3R	6.3	±30	100	160	1.05	N6R3
SIS2D18HPN-100R	10	±30	100	245	0.85	N100
SIS2D18HPN-150R	15	±30	100	345	0.64	N150

**Notes:**

1. Ordering Information: SIS2D18HPa - bbbRc.  
 SIS2D18HP = Product Type.  
 a = Tolerance of Inductance (N= ±30%).  
 bbb = Inductance value in uH (i.e. 4R7 = 4.7uH; 150 = 15uH ).  
 R = Internal Control Code.  
 c = Packaging Code (U = Tape & Reel Packaging in 7 inch Reel).
2. Test frequency is specified as the frequency for measuring the inductance.
3. Rated D.C. current indicates the current when the inductance is 35% lower than its initial value or D.C. current when the temperature rising T=40°C lower, whichever is lower.
5. Operating temperature range: -40°C to +125°C.
6. 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

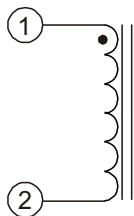


Notes:

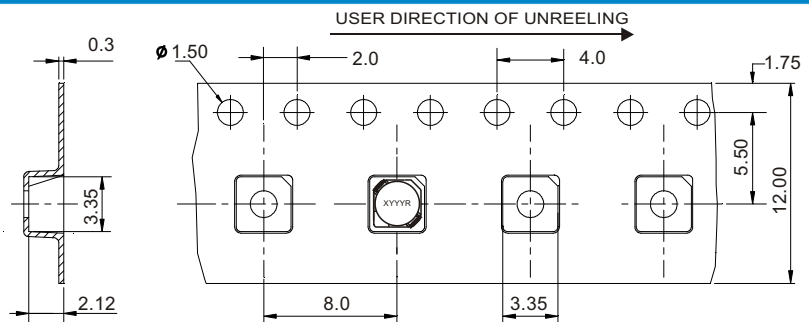
- 7. All dimensions are specified in  $\frac{\text{inches}}{\text{mm}}$  with higher precedence in mm.
- 8. Unless otherwise specified, all tolerances are  $\pm \frac{.010}{0.25}$ .

Weight (in gram)	: 0.3 typ.
Tape & Reel	: 1000 / reel

SCHMATIC



PACKAGING



FOR MORE INFORMATION, PLEASE CONTACT

HEADQUARTER

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