






-  Magnetically Shielded
-  Miniature in size and 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 (uH)	Inductance Tolerance	Test Frequency ² (Hz)	DCR (m Max)	Rated DC Current ³ (A)	Marking (XYYY)
SISCDRH125N-1R3R	1.3	+30/-20%	1M	12	8.00	N1R3
SISCDRH125N-2R1R	2.1	+30/-20%	1M	14	7.00	N2R1
SISCDRH125N-3R1R	3.1	+30/-20%	1M	17	6.00	N3R1
SISCDRH125N-4R4R	4.4	+30/-20%	1M	20	5.00	N4R4
SISCDRH125N-5R8R	5.8	+30/-20%	1M	21	4.40	N5R8
SISCDRH125N-7R5R	7.5	+30/-20%	1M	24	4.20	N7R5
SISCDRH125N-7R6R	7.6	+30/-20%	1M	26.5	4.50	N7R6
SISCDRH125M-100R	10	20%	1k	25	4.00	M100
SISCDRH125M-120R	12	20%	1k	27	3.50	M120
SISCDRH125M-150R	15	20%	1k	30	3.30	M150
SISCDRH125M-180R	18	20%	1k	34	3.00	M180
SISCDRH125M-220R	22	20%	1k	36	2.80	M220
SISCDRH125M-270R	27	20%	1k	51	2.30	M270
SISCDRH125M-330R	33	20%	1k	57	2.10	M330
SISCDRH125M-390R	39	20%	1k	68	2.00	M390
SISCDRH125M-470R	47	20%	1k	75	1.80	M470
SISCDRH125M-560R	56	20%	1k	110	1.70	M560
SISCDRH125M-680R	68	20%	1k	120	1.50	M680
SISCDRH125M-820R	82	20%	1k	140	1.40	M820
SISCDRH125M-101R	100	20%	1k	160	1.30	M101
SISCDRH125M-121R	120	20%	1k	170	1.10	M121
SISCDRH125M-151R	150	20%	1k	230	1.00	M151
SISCDRH125M-181R	180	20%	1k	290	0.90	M181
SISCDRH125M-221R	220	20%	1k	400	0.80	M221
SISCDRH125M-271R	270	20%	1k	460	0.75	M271
SISCDRH125M-331R	330	20%	1k	510	0.68	M331
SISCDRH125M-391R	390	20%	1k	690	0.65	M391
SISCDRH125M-471R	470	20%	1k	770	0.58	M471
SISCDRH125M-561R	560	20%	1k	860	0.54	M561
SISCDRH125M-681R	680	20%	1k	1200	0.48	M681
SISCDRH125M-821R	820	20%	1k	1340	0.43	M821
SISCDRH125M-102R	1000	20%	1k	1530	0.40	M102

Notes: 1. Ordering Information: SISCDRH125a - bbbRc.

SISCDRH125 = Product Type.

a = Tolerance of Inductance (M = ±20%, N = +30%/-20%).

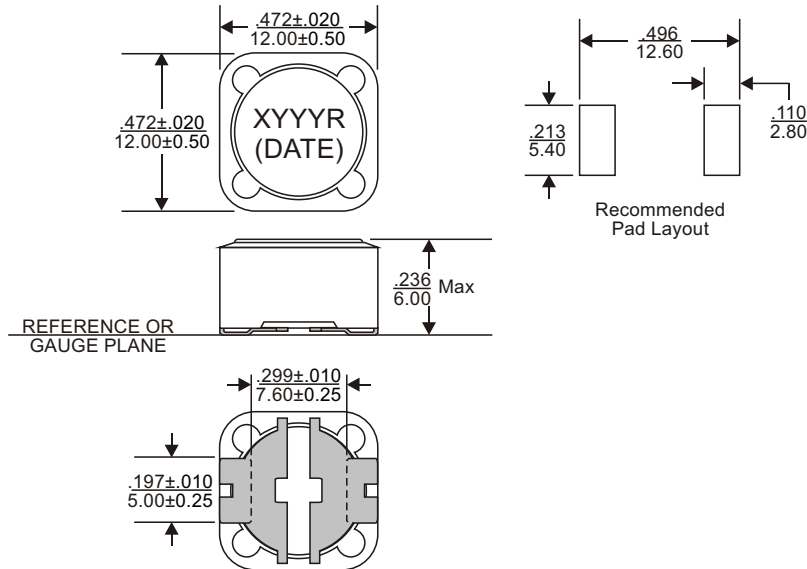
bbb = Inductance value in uH (i.e. 4R4 = 4.4uH; 470 = 47uH; 471 = 470uH; 102 = 1000uH).

R = Internal Control Code.

c = Packaging Code (T = Tape & Reel Packaging in 13 inch Reel).



MECHANICAL DIMENSIONS

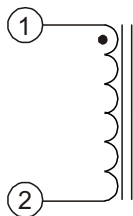


Notes:

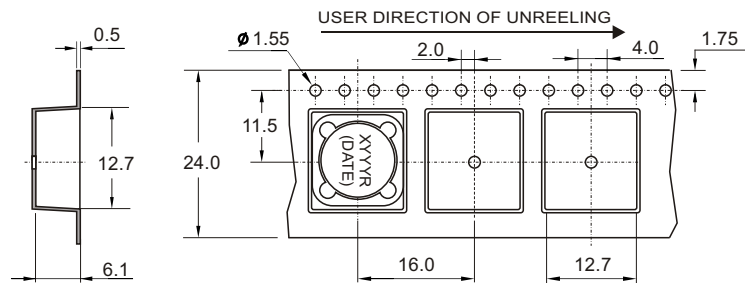
- Test frequency is specified as the frequency for measuring the inductance.
- Rated D.C. current indicates the value of the current when the inductance is 25% lower than its initial value and the temperature rising $T=40^{\circ}\text{C}$ at D.C. superposition.
- Operating temperature range: -40°C to $+125^{\circ}\text{C}$.
- 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..
- 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)	: 3.5 typ.
Tape & Reel	: 600 / reel

SCHEMATIC



PACKAGING



FOR MORE INFORMATION, PLEASE CONTACT

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