




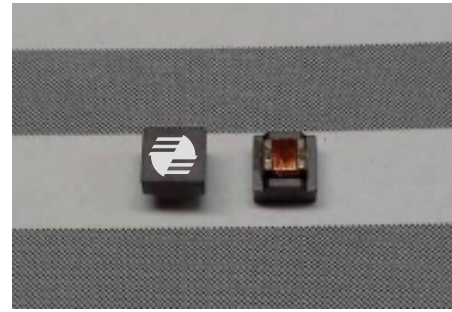


-  Magnetically Shielded
-  High inductance with tight tolerance
-  Excellent current handling capability
-  Ideal for high current requirements of notebook, video recorders and other DC-DC conversion applications
-  RoHS compliant



ELECTRICAL SPECIFICATION @ 25°C

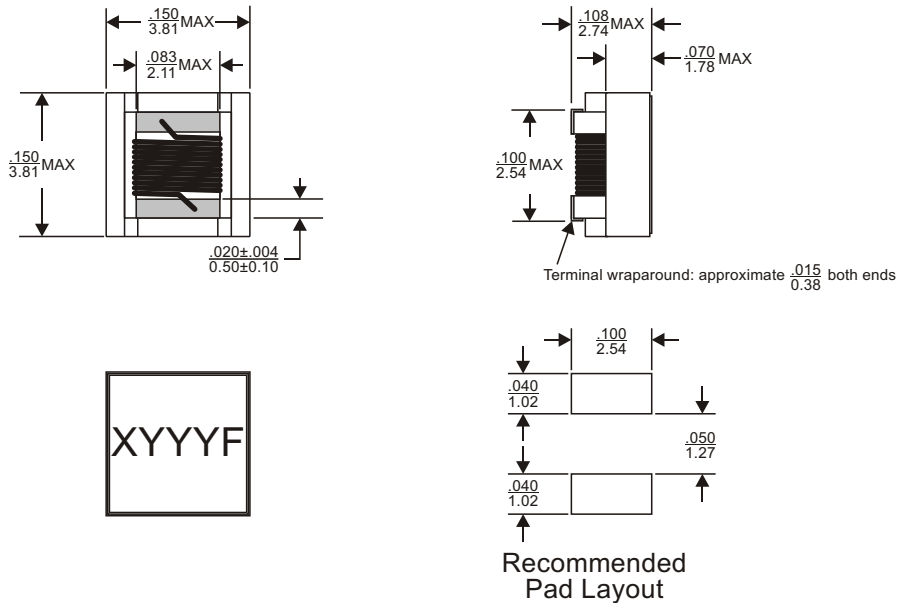
Part Number	Inductance (uH)	Inductance Tolerance M	Q Value @1MHz Min	DCR () Max	SRF (MHz) Typ	Isat ³ (A)	Irms ⁴ (A)	Marking (XYYY)
SIS1008PSM-1R0F	1.0	± 20	22	0.05	344	3.0	2.00	M1R0
SIS1008PSM-1R5F	1.5	± 20	35	0.06	260	2.8	2.00	M1R5
SIS1008PSM-1R8F	1.8	± 20	35	0.09	225	2.1	1.90	M1R8
SIS1008PSM-2R7F	2.7	± 20	38	0.14	185	1.3	1.60	M2R7
SIS1008PSM-3R9F	3.9	± 20	38	0.26	175	1.2	1.20	M3R9
SIS1008PSM-4R7F	4.7	± 20	38	0.35	160	1.0	1.10	M4R7
SIS1008PSM-5R6F	5.6	± 20	38	0.36	150	1.0	0.90	M5R6
SIS1008PSM-6R8F	6.8	± 20	38	0.58	120	0.84	0.80	M6R8
SIS1008PSM-100F	10	± 20	38	0.92	105	0.78	0.72	M100
SIS1008PSM-150F	15	± 20	38	1.15	35	0.70	0.60	M150
SIS1008PSM-220F	22	± 20	40	1.40	26	0.65	0.55	M220
SIS1008PSM-330F	33	± 20	45	1.61	20	0.51	0.50	M330
SIS1008PSM-390F	39	± 20	45	1.85	16	0.45	0.47	M390
SIS1008PSM-470F	47	± 20	45	2.5	19	0.40	0.42	M470
SIS1008PSM-680F	68	± 20	45	3.8	12	0.31	0.32	M680
SIS1008PSM-820F	82	± 20	45	4.3	9.0	0.30	0.30	M820
SIS1008PSM-101F	100	± 20	45	5.8	7.0	0.30	0.30	M101
SIS1008PSM-121F	120	± 20	50	6.3	7.0	0.25	0.28	M121
SIS1008PSM-151F	150	± 20	50	7.5	5.8	0.22	0.26	M151
SIS1008PSM-221F	220	± 20	55	10.0	10.0	0.22	0.21	M221
SIS1008PSM-331F	330	± 20	55	11.5	3.8	0.20	0.19	M331
SIS1008PSM-471F	470	± 20	55	16.3	3.1	0.16	0.18	M471
SIS1008PSM-561F	560	± 20	55	18.1	2.8	0.13	0.15	M561
SIS1008PSM-681F	680	± 20	55	24.0	2.5	0.12	0.14	M681
SIS1008PSM-821F	820	± 20	45	26.0	1.5	0.10	0.12	M821
SIS1008PSM-102F	1000	± 20	45	29.0	2.0	0.10	0.11	M102

Notes:

- Ordering Information: SIS1008PSa - bbbFc.
 SIS1008PS = Product Type.
 a = Tolerance of Inductance (M = ±20%).
 bbb = Inductance value in uH (i.e. 1R5 = 1.5uH; 150 = 15uH; 151 = 150uH; 102 = 1000uH).
 F = Internal Control Code.
 c = Packaging Code (T = Tape & Reel Packaging in 13 inch Reel).
- Inductance is tested at 0.25Vrms, 100kHz.
- Saturation current, Isat, indicates the value of DC current when the inductance is 10% typical lower than its initial value.



MECHANICAL DIMENSIONS

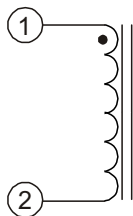


Notes:

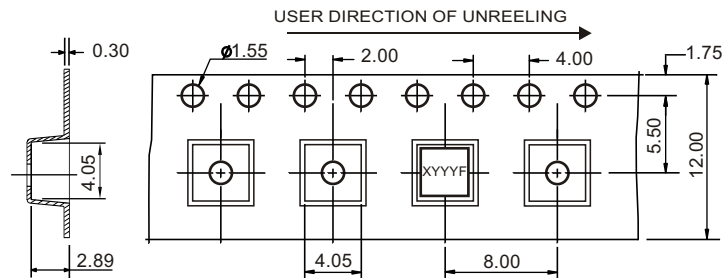
4. Irms, is the value of current when the temperature rising T=40°C typical.
5. Operating temperature range: -40°C to +125°C.
6. The part temperature (ambient temperature + temperature rise) should not exceed the upper limit of the operating temperature under worst case operating conditions. Circuit 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.
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)	: 0.15 typ.
Tape & Reel	: 2700 / reel

SCHEMATIC



PACKAGING



FOR MORE INFORMATION, PLEASE CONTACT

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