




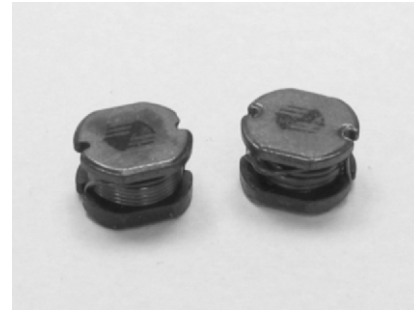


-  Suitable for notebook computers and other portable handheld devices
-  Unshielded and small in size with low resistance
-  High performance and self-leaded design for surface mounting applications
-  Inductance range from 10 to 560 micro H
-  RoHS compliant



ELECTRICAL SPECIFICATION @ 25°C

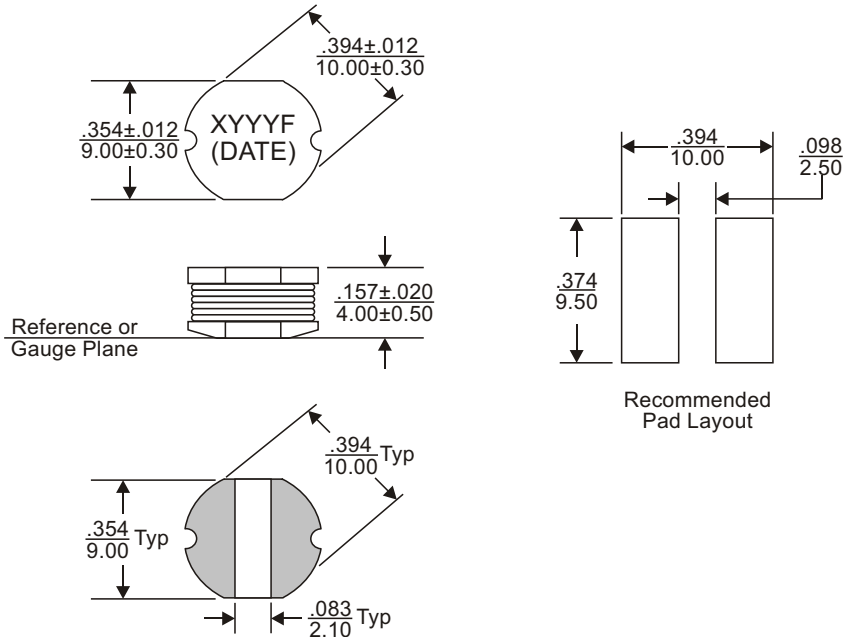
Part Number	Inductance L (uH)	Inductance Tolerance (%)	Test ² Frequency (Hz)	DCR (m Ω) Max	Rated DC ³ Current (A)	SRF (MHz) Typ.	Marking (XYYY)
UISC104M-100F	10	20	1M	53	2.38	29.9	M100
UISC104M-120F	12	20	1M	61	2.13	29.7	M120
UISC104M-150F	15	20	1M	70	1.87	25.1	M150
UISC104M-180F	18	20	1M	81	1.73	23.0	M180
UISC104M-220F	22	20	1M	88	1.60	20.0	M220
UISC104M-270F	27	20	1M	100	1.44	18.5	M270
UISC104M-330F	33	20	1M	120	1.26	16.9	M330
UISC104M-390F	39	20	1M	151	1.20	14.9	M390
UISC104M-470F	47	20	1M	170	1.10	13.8	M470
UISC104K-560F	56	10	1M	199	1.01	12.6	K560
UISC104K-680F	68	10	1M	223	0.91	10.4	K680
UISC104K-820F	82	10	1M	252	0.85	10.0	K820
UISC104K-101F	100	10	1k	344	0.74	9.42	K101
UISC104K-121F	120	10	1k	396	0.69	8.74	K121
UISC104K-151F	150	10	1k	544	0.61	7.29	K151
UISC104K-181F	180	10	1k	621	0.56	6.53	K181
UISC104K-221F	220	10	1k	721	0.53	5.85	K221
UISC104K-271F	270	10	1k	949	0.45	5.51	K271
UISC104K-331F	330	10	1k	1100	0.42	4.91	K331
UISC104K-391F	390	10	1k	1245	0.38	4.32	K391
UISC104K-471F	470	10	1k	1526	0.35	4.06	K471
UISC104K-561F	560	10	1k	1904	0.32	3.55	K561

Notes:

1. Ordering Information: UISC104a - bbbFc.
 UISC104 = Product Type.
 a = Tolerance of Inductance (M = ±20%; K = ±10%).
 bbb = Inductance value in uH (i.e. 470 = 47uH; 471 = 470uH).
 F = Internal Control Code.
 c = Packaging Code (T = Tape & Reel Packaging in 13 inch Reel).
2. Test frequency is specified as testing the inductance.
3. Rated D.C. current indicates the current when the inductance is 10% lower than its initial value at D.C. superposition, or the current when at T=40°C, whichever is lower.
4. Operating temperature range: -40°C to +125°C.



MECHANICAL DIMENSIONS

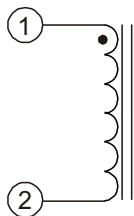


Notes:

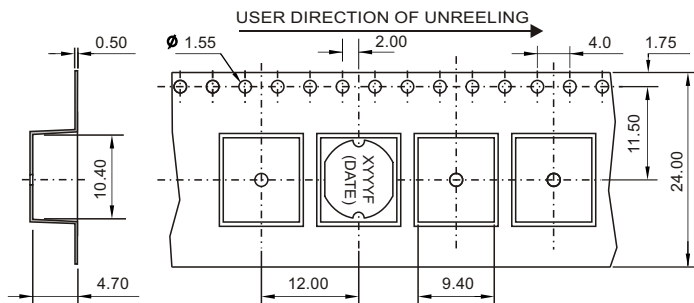
- The part temperature (ambient temperature + temperature rise) should not exceed the upper limit of the operating temperature under worst case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. 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)	: 1.5 typ.
Tape & Reel	: 1000 / reel

SCHEMATIC



PACKAGING



FOR MORE INFORMATION, PLEASE CONTACT

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