




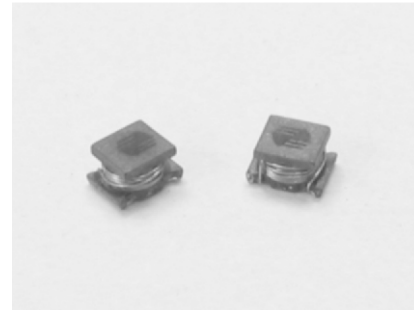


-  Suitable for DC/DC conversions in portable computers, VCR or other communication equipments.
-  High performance and small size with low profile
-  Unshielded and self-leaded design for pick and place handling
-  Inductance range from 1 to 560 micro H
-  RoHS compliant



ELECTRICAL SPECIFICATION @ 25°C

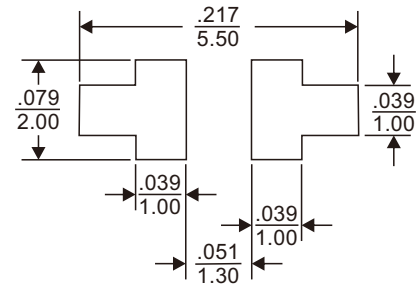
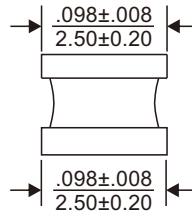
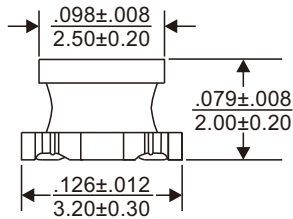
Part Number	Inductance L (uH)	Inductance Tolerance (%)	Test ³ Frequency (Hz)	DCR (Ω) Max	SRF (MHz) Typ.	Rated Current (mA)	Marking (ZYYY)
UISH3C2M-1R0F	1.0	20	1M	78m	100	1000	21R0
UISH3C2M-1R8F	1.8	20	1M	100m	85	900	21R8
UISH3C2M-2R2F	2.2	20	1M	126m	64	790	22R2
UISH3C2M-4R7F	4.7	20	1M	195m	43	650	24R7
UISH3C2K-100F	10	10	1M	390m	26	450	2100
UISH3C2K-120F	12	10	1M	470m	-	760	2120
UISH3C3M-1R0F	1.0	20	1M	117m	96	800	31R0
UISH3C3M-2R2F	2.2	20	1M	169m	64	600	32R2
UISH3C3M-4R7F	4.7	20	1M	260m	43	450	34R7
UISH3C3K-100F	10	10	1M	572m	26	300	3100
UISH3C3K-220F	22	10	1M	923m	19	250	3220
UISH3C3K-470F	47	10	1M	1.69	15	170	3470
UISH3C3K-101F	100	10	1M	4.55	10	100	3101
UISH3C3K-221F	220	10	1M	10.92	6.8	70	3221
UISH3C3K-331F	330	10	1M	13.00	5.6	60	3331
UISH3C3K-391F	390	10	1M	22.10	5.0	60	3391
UISH3C3K-471F	470	10	1k	24.70	5.0	60	3471
UISH3C3K-561F	560	10	1k	28.60	5.0	60	3561

Notes:

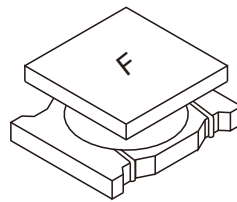
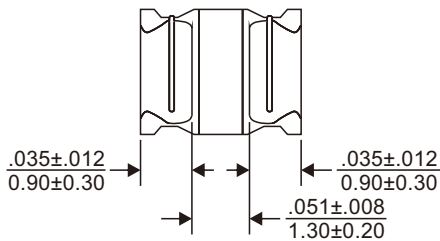
1. Ordering Information: UISH3C2/3a - bbbFc.
 UISH3C2/3 = Product Type.
 a = Tolerance of Inductance (M= ±20%, K = ±10%).
 bbb = Inductance value in uH (i.e. 4R7 = 4.7uH; 470 = 47uH; 471 = 470uH).
 F = Internal Control Code.
 c = Packaging Code (U = Tape & Reel Packaging in 7 inch Reel).
2. UISH3C2M-1R0, UISH3C2M-2R2, UISH3C2M-4R7 and UISH3C2K-100 are low DCR type.
3. Test frequency is specified for testing the inductance.
4. Operating temperature range: -40°C to +125°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



Recommended Pad Layout

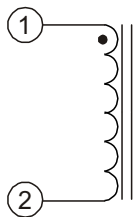


Notes:

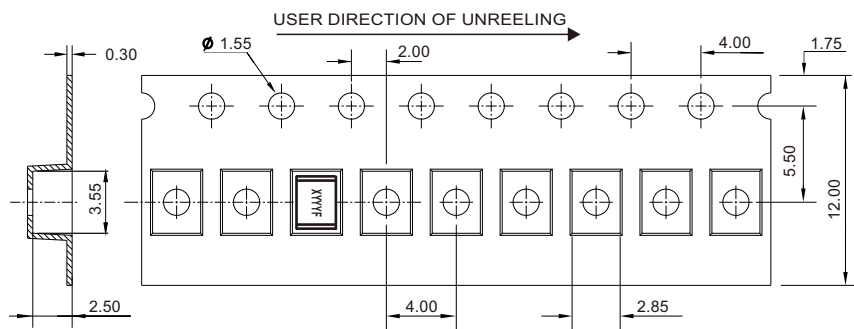
- 6. All dimensions are specified in $\frac{\text{inches}}{\text{mm}}$ with higher precedence in mm.
- 7. Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$.

Weight (in gram)	: 0.2 typ.
Tape & Reel	: 2000 / reel

SCHEMATIC



PACKAGING



FOR MORE INFORMATION, PLEASE CONTACT

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