






-  Suitable for VCR, portable communication equipments and other portable handheld devices
-  Unshielded and self-leaded design with flat top for automatic pick-and-place operations
-  Compact design specifically for surface mounting applications
-  Wide inductance range from 1 to 1000 micro H
-  RoHS compliant



ELECTRICAL SPECIFICATION @ 25°C

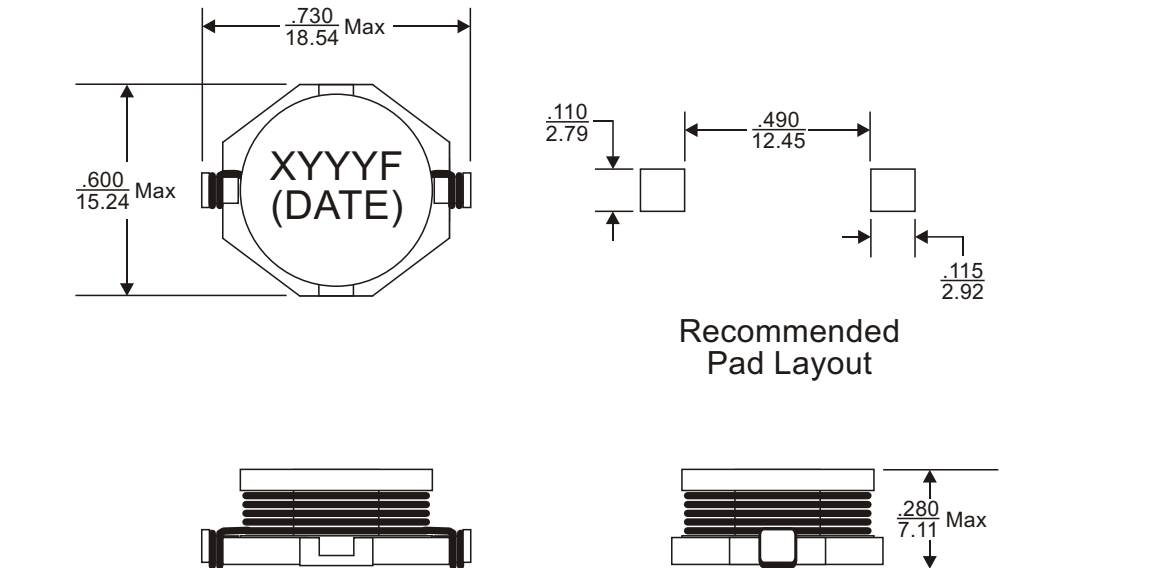
Part Number	Inductance ² L (uH ± 20%)	DCR (m Ω) Max	SRF (MHz) Typ	Isat ³ (A)	Irms ⁴ (A)	Marking (YYYY)
UIS5022M-102F	1.0	9	80	20	8.6	M102
UIS5022M-222F	2.2	14	80	16	7.1	M222
UIS5022M-332F	3.3	15	60	14	6.2	M332
UIS5022M-562F	5.6	20	40	12	5.3	M562
UIS5022M-103F	10	31	30	10	4.3	M103
UIS5022M-153F	15	36	22	8.0	4.0	M153
UIS5022M-223F	22	47	20	7.0	3.5	M223
UIS5022M-333F	33	66	15	5.5	3.0	M333
UIS5022M-473F	47	86	9	4.5	2.6	M473
UIS5022M-683F	68	130	8	3.5	2.3	M683
UIS5022M-104F	100	190	7	3.0	1.8	M104
UIS5022M-154F	150	250	6	2.6	1.5	M154
UIS5022M-224F	220	380	5	2.4	1.2	M224
UIS5022M-334F	330	560	4	1.9	1.0	M334
UIS5022M-474F	470	850	3	1.4	0.82	M474
UIS5022M-684F	680	1100	2.5	1.2	0.72	M684
UIS5022M-105F	1000	1800	2	1.0	0.56	M105

Notes:

1. Ordering Information: UIS5022a - bbbFc.
 UIS5022 = Product Type.
 a = Tolerance of Inductance (M = ±20%).
 bbb = Inductance value in uH (i.e. 222 = 2.2uH; 223 = 22uH; 224 = 220uH; 105 = 1000uH).
 F = Internal Control Code.
 c = Packaging Code (T = Tape & Reel Packaging in 13 inch Reel).
2. Inductance is tested at 0.1Vrms, 100kHz.
3. Inductance drops 10% typical at Isat.
4. T=40°C rise typical at Irms.
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

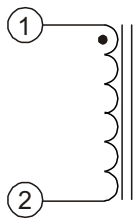


Notes:

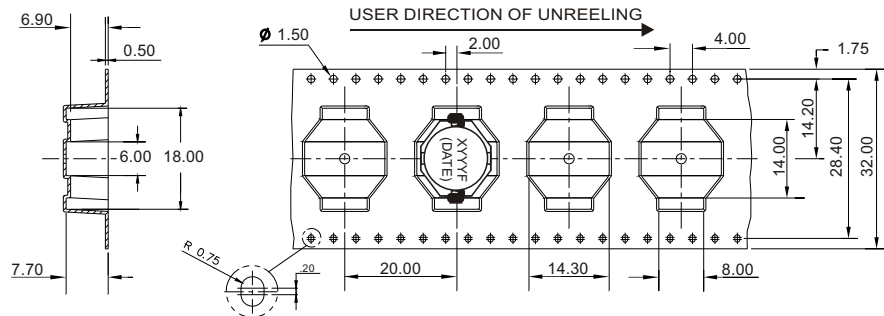
- 7. All dimensions are specified in $\frac{\text{inches}}{\text{mm}}$ with higher precedence in mm.
- 8. Unless otherwise specified, all tolerances are ± 0.25 .

Weight (in gram)	: 3.5 typ.
Tape & Reel	: 350 / reel

SCHEMATIC



PACKAGING



FOR MORE INFORMATION, PLEASE CONTACT

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