



-  Suitable for DC/DC conversion in notebook computers, PDAs and other handheld devices
-  Unshielded and self-leaded design with high energy storage
-  High performance and flat top for pick and place handling
-  Inductance range from 1 to 1000 micro H
-  RoHS compliant versions are available



ELECTRICAL SPECIFICATION @ 25°C

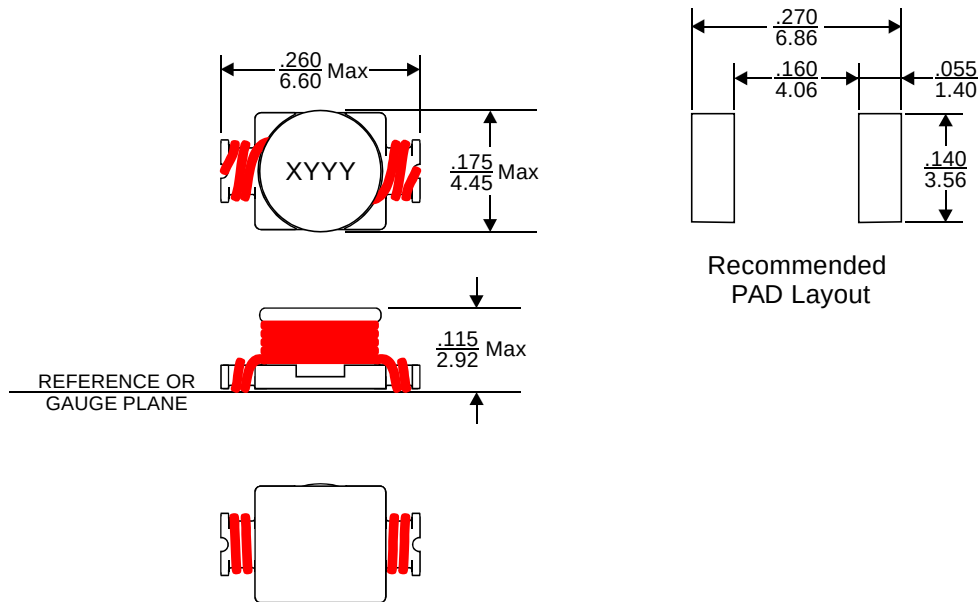
Part Number	RoHS Part Number	Inductance ¹ L (uH ± 20%)	DCR (Ω) Max	SRF (MHz) Typ	Isat ² (A)	Irms ³ (A)	Marking (YYYY)
UIS1608M-102	UIS1608M-102F	1.0	0.05	130	2.90	2.90	M102
UIS1608M-152	UIS1608M-152F	1.5	0.05	115	2.60	2.80	M152
UIS1608M-222	UIS1608M-222F	2.2	0.07	90	2.30	2.40	M222
UIS1608M-332	UIS1608M-332F	3.3	0.08	70	2.00	2.00	M332
UIS1608M-472	UIS1608M-472F	4.7	0.09	50	1.50	1.50	M472
UIS1608M-682	UIS1608M-682F	6.8	0.13	45	1.20	1.40	M682
UIS1608M-103	UIS1608M-103F	10	0.16	35	1.10	1.10	M103
UIS1608M-153	UIS1608M-153F	15	0.23	30	0.90	1.20	M153
UIS1608M-223	UIS1608M-223F	22	0.37	20	0.70	0.80	M223
UIS1608M-333	UIS1608M-333F	33	0.51	15	0.58	0.60	M333
UIS1608M-473	UIS1608M-473F	47	0.64	14	0.50	0.50	M473
UIS1608M-683	UIS1608M-683F	68	0.86	11	0.40	0.40	M683
UIS1608M-104	UIS1608M-104F	100	1.27	9	0.31	0.30	M104
UIS1608M-154	UIS1608M-154F	150	2.00	6	0.27	0.25	M154
UIS1608M-224	UIS1608M-224F	220	3.11	5.5	0.22	0.20	M224
UIS1608M-334	UIS1608M-334F	330	3.80	5	0.18	0.16	M334
UIS1608M-474	UIS1608M-474F	470	5.06	4	0.16	0.15	M474
UIS1608M-684	UIS1608M-684F	680	9.20	3	0.14	0.12	M684
UIS1608M-105	UIS1608M-105F	1000	13.8	2	0.10	0.07	M105

Notes:

1. Inductance is tested at 100kHz, 0.1Vrms.
2. Inductance drops 10% typical at Isat.
3. ΔT=15°C rise typical at Irms.
4. Operating temperature range: -40°C to +85°C.
5. Contact EEMPL for RoHS compliant version availability.
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

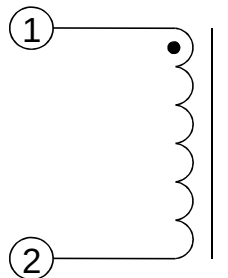


Notes:

7. All dimensions are specified in $\frac{\text{inches}}{\text{mm}}$ with higher precedence in mm.
8. Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$.
9. For available RoHS part number, the part will be marked with "XXXXF", instead of "XXXX".

Weight (in gram) :	0.2 typ.
Tape & Reel :	2500 / 13" reel
Tape & Reel :	650 / 7" reel

SCHEMATICS



FOR MORE INFORMATION, PLEASE CONTACT

HEADQUARTER
2/F Block A, Merit Industrial Centre,
94 Tokwawan Road, Kowloon,
Hong Kong
Tel: (852) 2765 3888
Fax: (852) 2954 3304
Email: eempl@eleceltek.com
Website: <http://www.eleceltek.com>

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