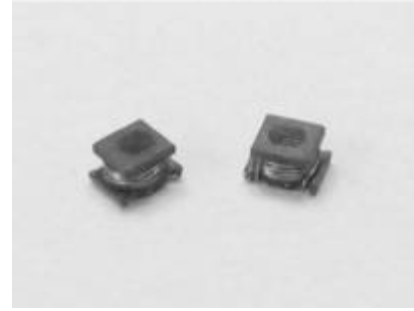




-  Suitable for DC/DC conversions in hard disk, VCR, or other electrical equipments.
-  High performance and small size for surface mounting applications
-  Unshielded and self-leaded design for pick and place handling
-  Inductance range from 0.12 to 10000 micro H
-  RoHS compliant versions are available



ELECTRICAL SPECIFICATION @ 25°C

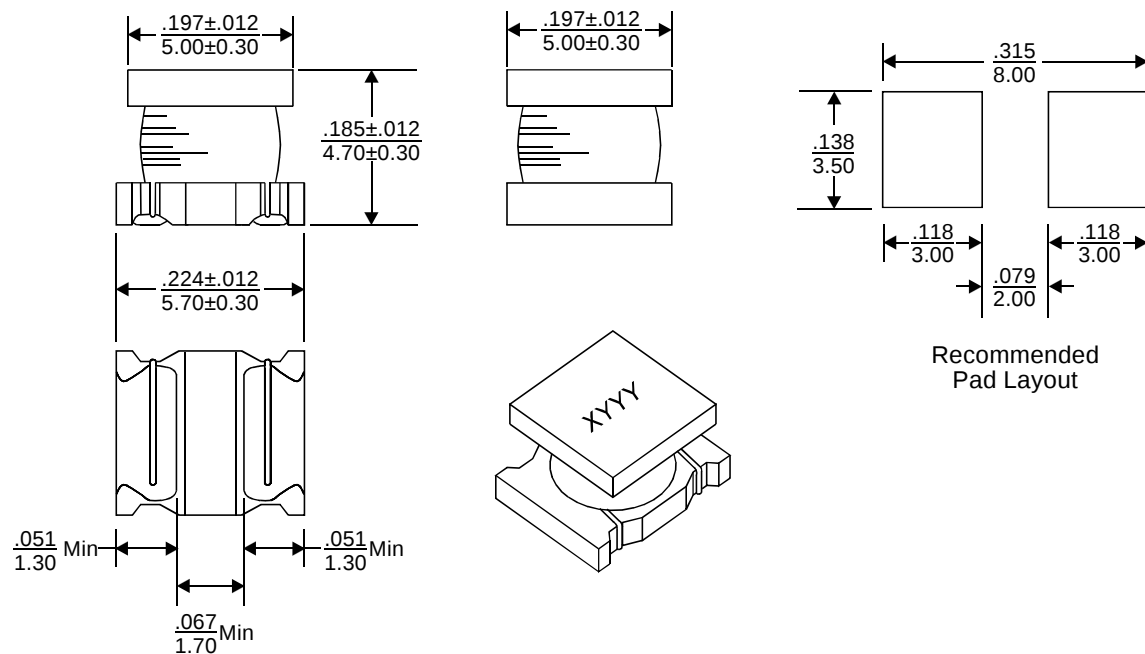
Part Number	RoHS Part Number	Inductance L (uH $\pm$ 20%)	Test ¹ Frequency (Hz)	SRF (MHz) Typ.	DCR (Ω) Max	Rated DC Current (mA)	Marking (XXXX)
UISH5057M-R12	UISH5057M-R12F	0.12	1M	450	9.8m	6000	MR12
UISH5057M-R27	UISH5057M-R27F	0.27	1M	300	14.0m	5300	MR27
UISH5057M-R47	UISH5057M-R47F	0.47	1M	200	18.2m	4800	MR47
UISH5057M-1R0	UISH5057M-1R0F	1.0	1M	150	26.6m	4000	M1R0
UISH5057M-1R5	UISH5057M-1R5F	1.5	1M	110	30.8m	3700	M1R5
UISH5057M-2R2	UISH5057M-2R2F	2.2	1M	80	40.6m	3200	M2R2
UISH5057M-3R3	UISH5057M-3R3F	3.3	1M	40	50.4m	2900	M3R3
UISH5057M-4R7	UISH5057M-4R7F	4.7	1M	30	57.4m	2700	M4R7
UISH5057M-6R8	UISH5057M-6R8F	6.8	1M	25	0.104	2000	M6R8
UISH5057M-100	UISH5057M-100F	10	1M	20	0.13	1700	M100
UISH5057M-150	UISH5057M-150F	15	1M	17	0.21	1400	M150
UISH5057M-220	UISH5057M-220F	22	1M	15	0.266	1200	M220
UISH5057M-330	UISH5057M-330F	33	1M	12	0.448	900	M330
UISH5057M-470	UISH5057M-470F	47	1M	10	0.56	800	M470
UISH5057M-680	UISH5057M-680F	68	1M	7.6	0.94	640	M680
UISH5057M-101	UISH5057M-101F	100	100k	6.5	1.204	560	M101
UISH5057M-151	UISH5057M-151F	150	100k	5.0	2.66	420	M151
UISH5057M-221	UISH5057M-221F	220	100k	4.0	3.36	320	M221
UISH5057M-331	UISH5057M-331F	330	100k	3.1	6.16	270	M331
UISH5057M-471	UISH5057M-471F	470	100k	2.4	7.56	240	M471
UISH5057M-681	UISH5057M-681F	680	100k	1.9	11.34	190	M681
UISH5057M-102	UISH5057M-102F	1000	10k	1.7	14.42	150	M102
UISH5057M-222	UISH5057M-222F	2200	10k	1.2	30.1	100	M222
UISH5057M-472	UISH5057M-472F	4700	10k	0.8	61.04	70	M472
UISH5057M-103	UISH5057M-103F	10000	10k	0.5	140	50	M103

Notes:

1. Test frequency is specified as the frequency for measuring the inductance.
2. Operating temperature range: -25°C to +85°C.
3. Contact EEMPL for RoHS compliant version availability.
4. 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:

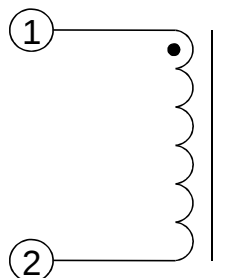
5. All dimensions are specified in $\frac{\text{inches}}{\text{mm}}$ with higher precedence in mm.

6. Unless otherwise specified, all tolerances are $\pm \frac{.010}{.025}$.

7. For available RoHS part number, the part will be marked with "XXXXF", instead of "XXXX".

Weight (in gram)	: 1.0 typ.
Tape & Reel	: 1400 / reel

SCHEMATICS



FOR MORE INFORMATION, PLEASE CONTACT

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