




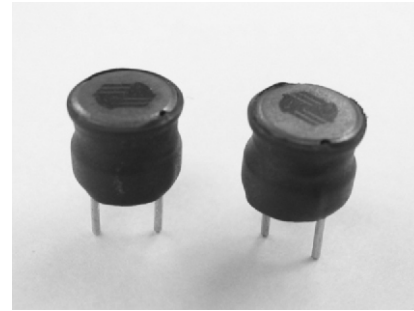


-  Suitable for DC/DC conversions in notebook computers, or as a choke coil for noise filtering.
-  High performance and small size for printed circuit mounting
-  Compact design with high energy storage and low resistance
-  Inductance range from 1 to 1000 micro H
-  RoHS compliant



ELECTRICAL SPECIFICATION @ 25°C

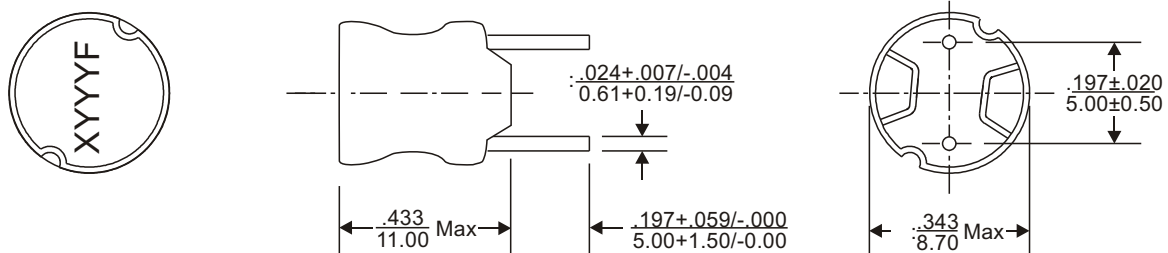
Part Number	Inductance L (uH)	Inductance Tolerance (%)	Test ² Frequency of L, Q (MHz)	Q Min.	DCR () Max	Rated DC Current, Isat (A) Max	Rated DC Current, Irms (A) Max	SRF (MHz) Typ.	Marking (YYYY)
UIT622EM-1R0F	1.0	20	1	20	0.013	10.0	3.71	150	M1R0
UIT622EM-1R5F	1.5	20	1	20	0.016	8.50	3.32	130	M1R5
UIT622EM-2R2F	2.2	20	1	20	0.021	6.50	3.15	100	M2R2
UIT622EM-3R3F	3.3	20	1	20	0.025	5.50	2.66	79	M3R3
UIT622EM-4R7F	4.7	20	1	20	0.030	4.30	2.27	51	M4R7
UIT622EM-6R8F	6.8	20	1	20	0.035	3.70	2.10	29	M6R8
UIT622EK-100F	10	10	1	50	0.045	3.00	1.96	14	K100
UIT622EK-120F	12	10	1	50	0.050	2.60	1.82	13	K120
UIT622EK-150F	15	10	1	50	0.056	2.30	1.75	12	K150
UIT622EK-180F	18	10	1	40	0.061	2.20	1.54	11	K180
UIT622EK-220F	22	10	1	40	0.070	2.00	1.29	9.2	K220
UIT622EK-270F	27	10	1	40	0.080	1.70	1.22	8.5	K270
UIT622EK-330F	33	10	1	30	0.090	1.60	1.17	7.8	K330
UIT622EK-390F	39	10	1	30	0.10	1.50	1.14	6.9	K390
UIT622EK-470F	47	10	1	30	0.16	1.40	0.79	6.5	K470
UIT622EK-560F	56	10	1	30	0.18	1.30	0.76	5.4	K560
UIT622EK-680F	68	10	1	30	0.21	1.20	0.70	4.9	K680
UIT622EK-820F	82	10	1	30	0.23	1.10	0.67	4.1	K820
UIT622EK-101F	100	10	0.796	20	0.28	0.91	0.58	3.7	K101
UIT622EK-121F	120	10	0.796	20	0.32	0.84	0.56	3.4	K121
UIT622EK-151F	150	10	0.796	20	0.37	0.75	0.42	3.2	K151
UIT622EK-181F	180	10	0.796	20	0.58	0.69	0.40	2.8	K181
UIT622EK-221F	220	10	0.796	20	0.65	0.64	0.38	2.7	K221
UIT622EK-271F	270	10	0.796	20	0.75	0.57	0.35	2.4	K271
UIT622EK-331F	330	10	0.796	20	0.85	0.54	0.33	2.3	K331
UIT622EK-391F	390	10	0.796	20	1.00	0.48	0.28	2.1	K391
UIT622EK-471F	470	10	0.796	20	1.10	0.46	0.25	1.9	K471
UIT622EK-561F	560	10	0.796	20	1.40	0.41	0.23	1.8	K561
UIT622EK-681F	680	10	0.796	20	1.60	0.38	0.21	1.6	K681
UIT622EK-821F	820	10	0.796	20	1.80	0.35	0.18	1.5	K821
UIT622EK-102F	1000	10	0.252	50	2.90	0.29	0.16	1.3	K102



Notes:

- Ordering Information: UIT622xa - bbbFc.
 UIT622x = Product Type(x = " E " with heat shrink covering; or x = " F " without heat shrink covering).
 a = Tolerance of Inductance (M = $\pm 20\%$; K = $\pm 10\%$).
 bbb = Inductance value in uH (i.e. 3R3 = 3.3uH; 330 = 33uH; 331 = 330uH; 102 = 1000uH).
 F = Internal Control Code.
 c = Packaging Code (No code = Non Tape & Reel Packaging, i.e. Tray packaging).
- Test frequency is specified as the frequency for measuring the inductance and Q value.
- Operating temperature range: -40°C to +125°C.
- 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

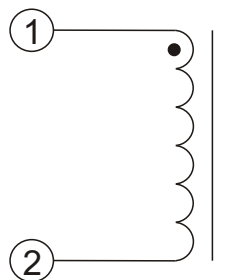


Notes:

- 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)	: 2.0typ.
Tray packaging	: 136pcs/ tray

SCHEMATICS



FOR MORE INFORMATION, PLEASE CONTACT

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