




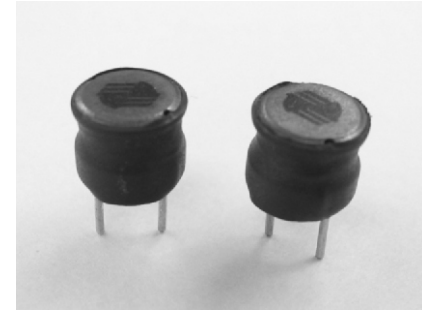







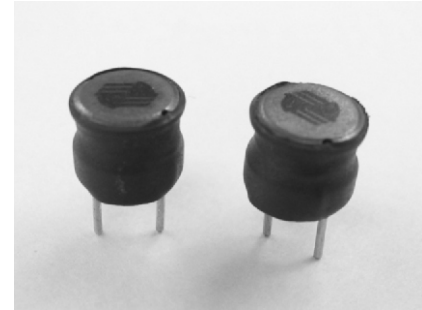
-  Compact design
Open magnetic circuit construction,
-  Low resistance and high rated current
-  Ideal for use as choke coil for high current DC circuits
in all types of electronic instrument.
-  Inductance range from 3.9 to 1000 micro H
-  RoHS compliant



ELECTRICAL SPECIFICATION @ 25°C

Part Number	Inductance (uH)	Inductance Tolerance (%)	Test Frequency of L (MHz)	DCR (ohm) Max	Rated DC ² Current (A) max	SRF (MHz) Typ.	Marking (YYYY)
		K					
UIT824ZK-100F	10	10	1	0.052	2.20	44	K100
UIT824ZK-120F	12	10	1	0.059	2.00	33	K120
UIT824ZK-150F	15	10	1	0.065	1.93	25	K150
UIT824ZK-180F	18	10	1	0.071	1.77	16	K180
UIT824ZK-220F	22	10	1	0.076	1.72	12	K220
UIT824ZK-270F	27	10	1	0.082	1.56	8.3	K270
UIT824ZK-330F	33	10	1	0.086	1.49	5.9	K330
UIT824ZK-390F	39	10	1	0.095	1.40	4.9	K390
UIT824ZK-470F	47	10	1	0.11	1.29	4.1	K470
UIT824ZK-560F	56	10	1	0.12	1.25	4.0	K560
UIT824ZK-680F	68	10	1	0.13	1.24	3.9	K680
UIT824ZK-820F	82	10	1	0.14	1.04	3.6	K820
UIT824ZK-101F	100	10	1	0.18	1.02	2.8	K101
UIT824ZK-121F	120	10	1	0.19	0.94	2.6	K121
UIT824ZK-151F	150	10	1	0.22	0.92	2.2	K151
UIT824ZK-181F	180	10	1	0.25	0.85	2.1	K181
UIT824ZK-221F	220	10	1	0.28	0.82	1.9	K221
UIT824ZK-271F	270	10	1	0.46	0.60	1.6	K271
UIT824ZK-331F	330	10	1	0.50	0.56	1.5	K331
UIT824ZK-391F	390	10	1	0.56	0.52	1.4	K391
UIT824ZK-471F	470	10	1	0.62	0.48	1.3	K471
UIT824ZK-561F	560	10	1	0.69	0.45	1.2	K561
UIT824ZK-681F	680	10	1	0.79	0.44	1.1	K681
UIT824ZK-821F	820	10	1	0.86	0.40	1.0	K821
UIT824ZK-102F	1000	10	1	1.60	0.31	0.87	K102

-  Compact design
Open magnetic circuit construction,
-  Low resistance and high rated current
-  Ideal for use as choke coil for high current DC circuits
in all types of electronic instrument.
-  Inductance range from 10 to 3900 micro H
-  RoHS compliant



ELECTRICAL SPECIFICATION @ 25°C

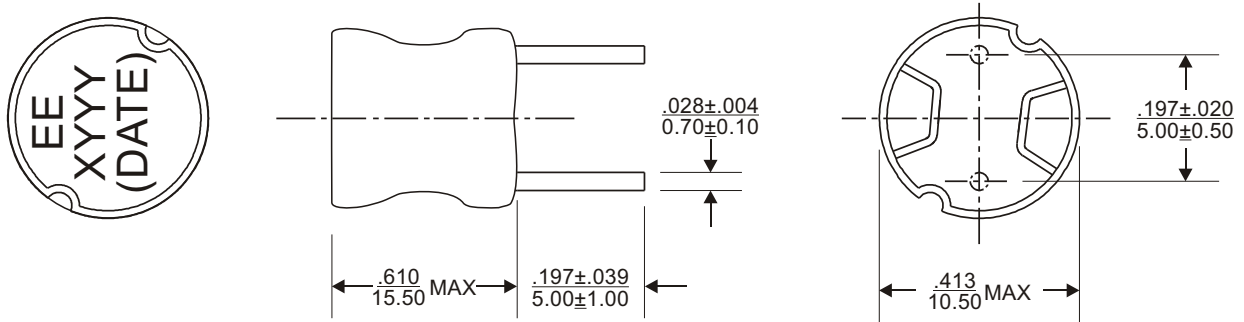
Part Number	Inductance (uH)	Inductance Tolerance (%)	Test Frequency of L (MHz)	DCR (ohm) Max	Rated DC ² Current (A) max	SRF (MHz) Typ.	Marking (XYYY)
		K					
UIT824ZK-122F	1200	10	1	1.80	0.28	0.83	K122
UIT824ZK-152F	1500	10	1	2.10	0.27	0.77	K152
UIT824ZK-182F	1800	10	1	2.30	0.24	0.71	K182
UIT824ZK-222F	2200	10	1	2.60	0.24	0.66	K222
UIT824ZK-272F	2700	10	1	3.35	0.19	0.61	K272
UIT824ZK-332F	3300	10	1	4.00	0.18	0.52	K332
UIT824ZK-392F	3900	10	1	4.50	0.16	0.48	K392

Notes:

1. Ordering Information: UIT824Za - bbbFc.
 UIT824Z = Product Type (Z = "E" with heat shrink covering; or Z = "F" without heat shrink covering).
 a = Tolerance of Inductance (K = ±10%).
 bbb = Inductance value in uH (i.e. 470 = 47uH; 471 = 470uH; 272 = 2700uH;)
 F = Internal Control Code.
 c = Packaging Code (No code = Non Tape & Reel Packaging, i.e. Tray packaging).
2. The rated DC current is that at which the inductance values decreases by 10% by the excitation with DC current.
3. Operating temperature range: -40°C to +125°C.
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.



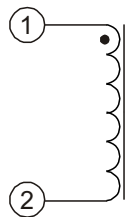
MECHANICAL DIMENSIONS



Notes:

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

SCHEMATIC



FOR MORE INFORMATION, PLEASE CONTACT

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