






-  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 (%)		Qu Min	Q Test Freq. (MHz)	DCR (ohm) Typ	I DC ² (A)	Marking (XYYY)
		K	M					
		UIT494FM-1R0F	1.0					
UIT494FM-1R5F	1.5	N/A	±20	20	7.96	0.023	5.3	M1R5
UIT494FM-2R2F	2.2	N/A	±20	20	7.96	0.026	4.4	M2R2
UIT494FM-3R3F	3.3	N/A	±20	20	7.96	0.030	3.8	M3R3
UIT494FM-4R7F	4.7	N/A	±20	20	7.96	0.034	3.2	M4R7
UIT494FM-6R8F	6.8	N/A	±20	20	7.96	0.037	2.8	M6R8
UIT494FK-100F	10.0	±10	N/A	50	2.52	0.044	2.3	K100
UIT494FK-120F	12.0	±10	N/A	50	2.52	0.049	2.1	K120
UIT494FK-150F	15.0	±10	N/A	50	2.52	0.054	2.0	K150
UIT494FK-180F	18.0	±10	N/A	40	2.52	0.058	1.8	K180
UIT494FK-220F	22.0	±10	N/A	40	2.52	0.065	1.6	K220
UIT494FK-270F	27.0	±10	N/A	40	2.52	0.072	1.5	K270
UIT494FK-330F	33.0	±10	N/A	30	2.52	0.080	1.4	K330
UIT494FK-390F	39.0	±10	N/A	30	2.52	0.091	1.3	K390
UIT494FK-470F	47.0	±10	N/A	30	2.52	0.101	1.2	K470
UIT494FK-560F	56.0	±10	N/A	30	2.52	0.145	1.0	K560
UIT494FK-680F	68.0	±10	N/A	30	2.52	0.161	0.95	K680
UIT494FK-820F	82.0	±10	N/A	30	2.52	0.174	0.91	K820
UIT494FK-101F	100.0	±10	N/A	20	0.796	0.221	0.79	K101
UIT494FK-121F	120.0	±10	N/A	20	0.796	0.254	0.71	K121
UIT494FK-151F	150.0	±10	N/A	20	0.796	0.294	0.64	K151
UIT494FK-181F	180.0	±10	N/A	20	0.796	0.451	0.56	K181
UIT494FK-221F	220.0	±10	N/A	20	0.796	0.509	0.51	K221

Notes:

1. Ordering Information: UIT494Fa - bbbFc.

UIT494F = Product Type.

a = Tolerance of Inductance (K = ±10%; M = ±20%).

bbb = Inductance value in uH (i.e. 4R7 = 4.7uH; 470 = 47uH; 151 = 150uH)

F = Internal Control Code.

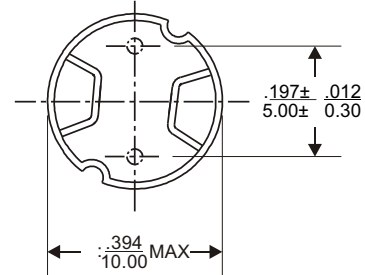
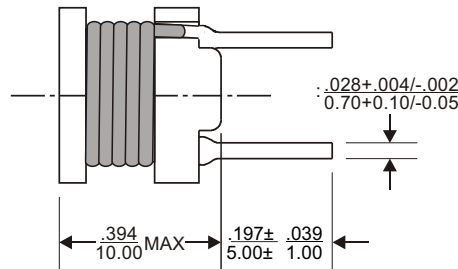
c = Packaging Code (No code = Non Tape & Reel Packaging, i.e. Tray packaging).

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.



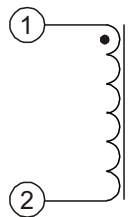
MECHANICAL DIMENSIONS



Notes:

- 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.
- 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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