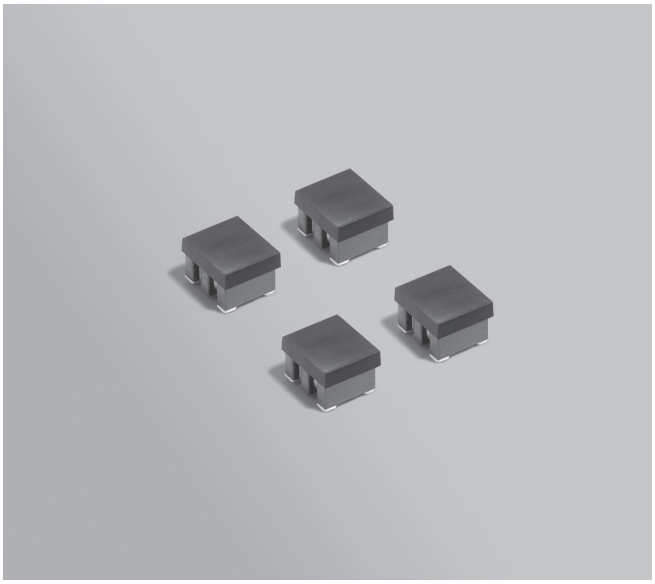
NEW!

Uncoupled Inductors – 1210uT

RoHS/ REACH COMPLIANT

Halogen Free

AEC Q200 +125°C



- Optimized for Analog Devices' A²B™ audio bus, when low imbalance minimizes mode conversion in balance power injection applications and where coupling factor less than 10% is needed.
- 1210 Dual Inductor with balanced inductance, maximum 10% imbalance
- Suitable for DC injection applications up to 770 mAmps
- AEC-Q200 qualified

Core material Ferrite

Environment RoHS compliant, halogen free

Terminations RoHS compliant matte tin over nickel over silver-platinum-glass frit. Other terminations available at additional cost.

Weight 75 – 95 mg

Ambient temperature –40°C to +125°C with Irms current

Maximum part temperature +140°C (ambient + temp rise)

Storage temperature Component: –40°C to +125°C. Tape and reel packaging: –40°C to +80°C

Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles

Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)

PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

Part number[1]	L[2] ±20% (µH)	Coupling coefficient (max)	DCR max[3] (Ohms)	SRF typ (MHz)	Isolation[4] (Vrms)	Isat (A)[5] 25°C	85°C	105°C	125°C	Irms (A) 25°C[6]	85°C[7]	125°C[8]
1210uT-332MR_	3.3	10%	0.285	70	250	1.50	1.20	0.90	0.73	0.77	0.69	0.40
1210uT-103MR_	10	10%	0.450	35	250	0.85	0.59	0.46	0.26	0.65	0.58	0.34

1. When ordering, please specify **termination** and **packaging** code:

   1210uT-103MRC

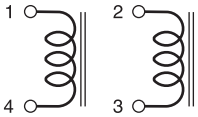
   Termination: **R** = RoHS compliant matte tin over nickel over silver-platinum-glass frit.
   Special order:
   Q = RoHS tin-silver-copper (95.5/4/0.5).
   P = non-RoHS tin-lead (63/37).

   Packaging: **C** = 7″ machine-ready reel. EIA-481 embossed plastic tape (750 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer ($25 charge).

   D = 13″ machine-ready reel. EIA-481 embossed plastic tape (3000 parts per full reel). Factory order only, not stocked.
2. Inductance measured per winding at 100 kHz, 0.1 V, 0 Adc.
3. DCR is measured on a Micro-ohmmeter.
4. 250 Vrms, one minute isolation (hipot) between primary and secondary.
5. DC current that causes 30% inductance drop from its initial value without current.
6. Current that causes a 40°C rise at 25°C.
7. Current that causes a 40°C rise at 85°C.
8. Current that causes a 15°C rise at 125°C.
9. Electrical specifications at 25°C.

Refer to Doc 362 "Soldering Surface Mount Components" before soldering.

Schematic



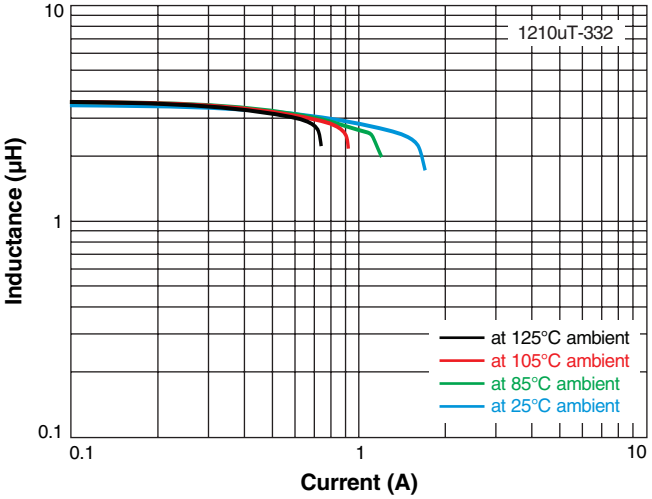
Coilcraft®
www.coilcraft.com

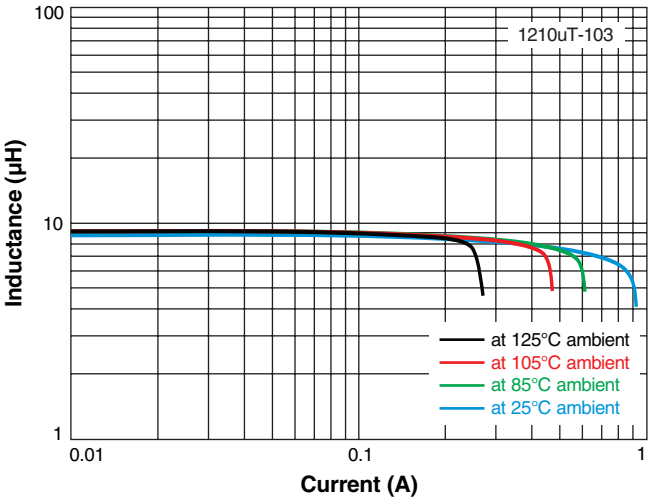
US +1-847-639-6400 sales@coilcraft.com
UK +44-1236-730595 sales@coilcraft-europe.com
Taiwan +886-2-2264 3646 sales@coilcraft.com.tw
China +86-21-6218 8074 sales@coilcraft.com.cn
Singapore + 65-6484 8412 sales@coilcraft.com.sg

Document 1747-1 Revised 08/12/24

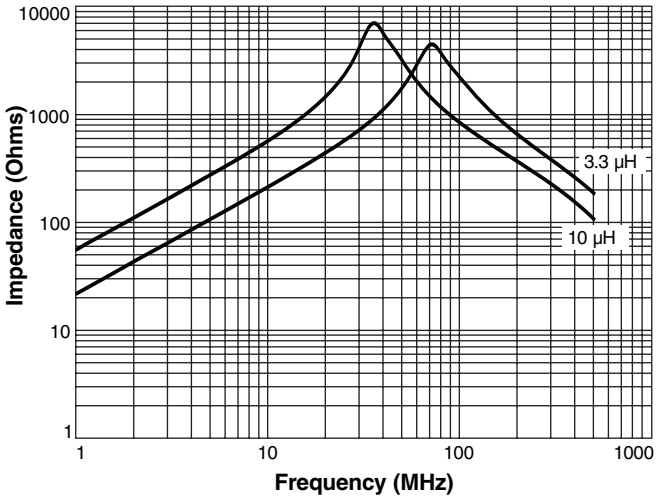
Uncoupled Inductors – 1210ut

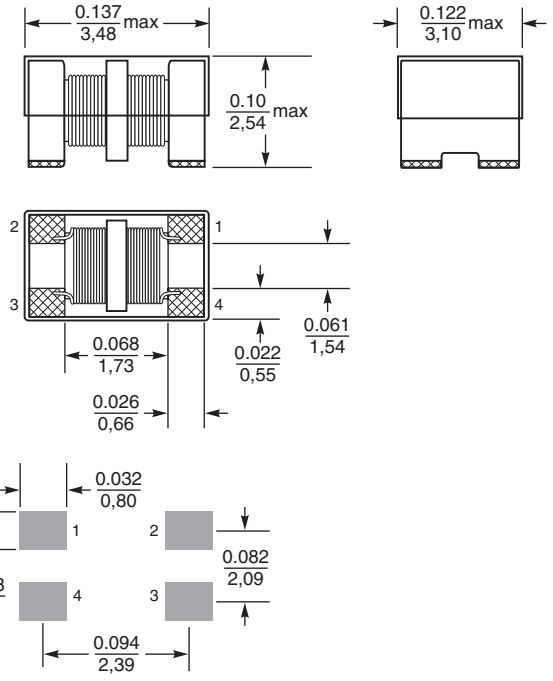
L vs Current vs Temperature





Impedance vs Frequency





Recommended

Dimensions are in inches / mm

Packaging 750/7″ reel; 3000/13″ reel Plastic tape: 12 mm wide, 0.23 mm thick, 8 mm pocket spacing, 2.67 mm pocket depth

Coilcraft
www.coilcraft.com

US +1-847-639-6400 sales@coilcraft.com
UK +44-1236-730595 sales@coilcraft-europe.com
Taiwan +886-2-2264 3646 sales@coilcraft.com.tw
China +86-21-6218 8074 sales@coilcraft.com.cn
Singapore + 65-6484 8412 sales@coilcraft.com.sg

Document 1747-2 Revised 08/12/24