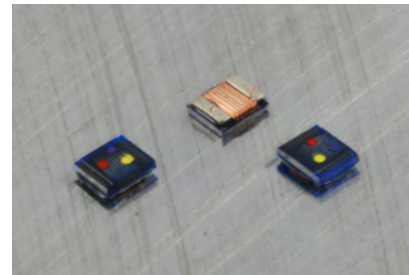
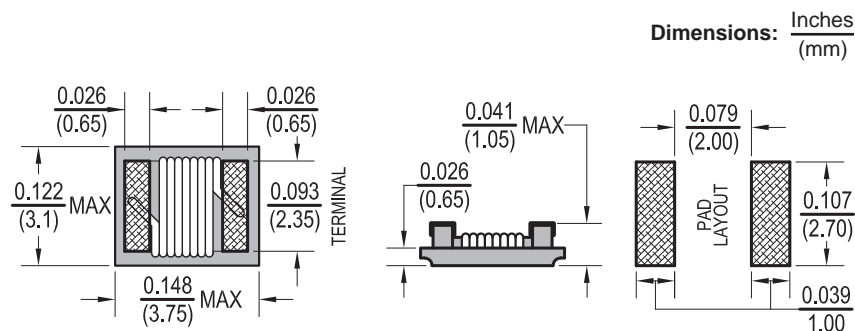


# LT20 Ferrite Core Chip Inductors Low Profile



Allied Part Number	Inductance ( $\mu\text{h}$ )	Tolerance (%)	Q Typ.	L/Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. ( $\Omega$ )	IDC (mA)
LT20-1R0K-RC	1.0	10	20	7.96/7.96	350	0.45	1500
LT20-1R2K-RC	1.2	10	20	7.96/7.96	330	0.49	1300
LT20-1R5K-RC	1.5	10	20	7.96/7.96	310	0.68	1200
LT20-1R8K-RC	1.8	10	20	7.96/7.96	290	0.72	1150
LT20-2R2K-RC	2.2	10	20	7.96/7.96	270	1.02	1020
LT20-2R7K-RC	2.7	10	20	7.96/7.96	265	1.15	1000
LT20-3R3K-RC	3.3	10	20	7.96/7.96	195	1.20	970
LT20-3R9K-RC	3.9	10	20	7.96/7.96	170	1.23	910
LT20-4R7K-RC	4.7	10	20	7.96/7.96	155	1.48	880
LT20-5R6K-RC	5.6	10	20	7.96/7.96	125	1.65	820
LT20-6R8K-RC	6.8	10	20	7.96/7.96	110	1.68	750
LT20-8R2K-RC	8.2	10	20	7.96/7.96	100	1.88	700
LT20-100K-RC	10	10	16	2.52/2.52	85	2.90	610
LT20-120K-RC	12	10	16	2.52/2.52	70	3.05	540
LT20-150K-RC	15	10	16	2.52/2.52	65	3.45	500
LT20-180K-RC	18	10	16	2.52/2.52	55	4.79	420
LT20-220K-RC	22	10	16	2.52/2.52	50	5.20	350

All specifications subject to change without notice.

## Features

- Low Profile only 1.05mm max height
- Exceptional Q values
- Wide inductance range

## Electrical

**Inductance Range:** 1.0 $\mu\text{h}$  ~ 22 $\mu\text{h}$

**Tolerance:** 10% over entire range also available in tighter tolerances

**Operating Temp:** -25°C ~ +85°C

**IDC:** Current at which inductance drops 10% from its initial value without current.

**L/Q:** Test OSC @ 200mV

## Resistance to Soldering Heat

Pre-Heat 150°C, 1 minute.

**Solder Composition:** Sn/Ag3.0/Cu0.5

**Solder Temp:** 260°C  $\pm$  5°C for 10 sec  $\pm$  1 sec.

## Test Equipment

**(L/Q):** HP4286A / HP4287A / Agilent E4991A

**(RDC):** Chen Hwa 502BC

**(IDC):** HP4284A + HP42841A / HP4285A + HP42841A

**(SRF):** HP8753D / Agilent E4991

## Physical

**Packaging:** 2000 pieces per 7 inch reel.

**Marking:** 3 Dot color code system