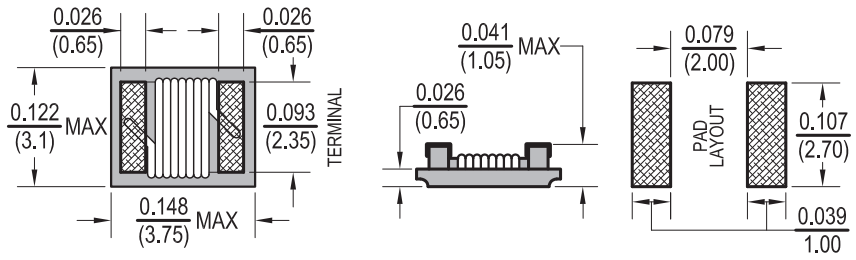
LT20 Ferrite Core Chip Inductors Low Profile

Dimensions: Inches (mm)





Allied Part Number	Inductance (µh)	Tolerance (%)	Q Typ.	L,Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	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: 1.0µh ~ 22µh
Tolerance: 10% over entire range also available in tighter tolerances
Operating Temp: -25ºC ~ +85ºC
IDC: Current at which inductance drops 10% from its initial value without current.
L/Q: Test OSC @ 200mV

Resistance to Soldering Heat

Pre-Heat 150ºC, 1 minute.
Solder Composition: Sn/Ag3.0/Cu0.5
Solder Temp: 260ºC ± 5ºC for 10 sec ± 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