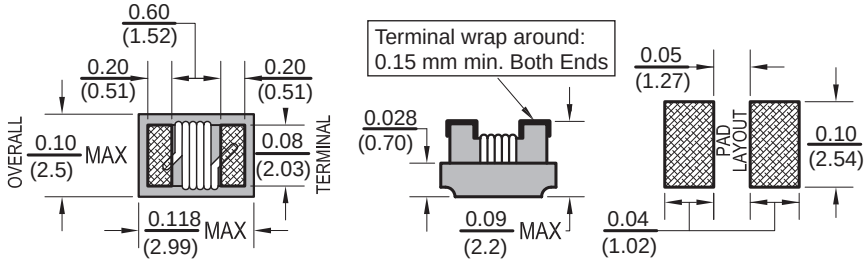
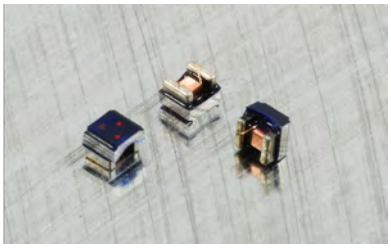
LS10 Ferrite Core Chip Inductors

Dimensions: Inches / (mm)





Allied Part Number	Inductance (µh)	Tolerance (%)	Q Typ.	(L)Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	IDC Current (mA)
LS10-1R2J-RC	1.20	5	55	7.9	350	0.50	1200
LS10-1R5J-RC	1.50	5	58	7.9	300	0.65	1200
LS10-1R8J-RC	1.80	5	54	7.9	280	0.75	1050
LS10-2R2J-RC	2.20	5	48	7.9	250	0.90	950
LS10-2R7J-RC	2.70	5	51	7.9	200	1.00	950
LS10-3R3J-RC	3.30	5	58	7.9	200	1.15	900
LS10-3R9J-RC	3.90	5	37	7.9	170	1.25	850
LS10-4R7J-RC	4.70	5	37	7.9	130	1.35	800
LS10-5R6J-RC	5.60	5	36	7.9	110	1.45	700
LS10-6R8J-RC	6.80	5	33	7.9	105	1.60	600
LS10-8R2J-RC	8.20	5	40	7.9	90	1.80	550
LS10-100J-RC	10.0	5	40	7.9	85	2.40	500
LS10-150J-RC	15.0	5	35	7.9	38	2.40	450

Available in tighter tolerances.
All specifications subject to change without notice.

Features

- 1008 SMD for Auto Insertion
- Low DCR for Low Loss Applications
- Excellent Solderability Characteristics
- Highly resistant to mechanical forces
- Excellent reliabiltiy in temperature and climate change

Electrical

Inductance Range: 1.2µh to 15µh
Tolerance: 5% across entire range. Also available in 10% and 20%.
Test Frequency: (L) entire range @ 7.96Mhz @ 200mv (Q) from 1.2µh to 3.3µh @ 50Mhz, from 3.9µh to 15µh @ 7.9Mhz
Operating Temp. Range: -25ºC ~ 85ºC
IDC: Inductance drop 10% Typ. from original value with no current

Resistance to Solder Heat

Pre-Heat 150ºC, 1 minute
Solder Composition: Sn/Ag3.0/Cu0.5
Solder Temp. 260ºC peak for 10 sec.
Test time: 6 minutes

Test Equipment

(L/Q): HP4286A / HP4287A /Agilent E4991A
(DCR): Chen Hwa 502BC
(SRF): HP8753D / Agilent E4991
(IDC): HP4284A with HP42841A / HP4285A with HP42841A

Physical

Packaging: 2000 pieces per 7 inch reel
Marking: 3 Dot Color Code