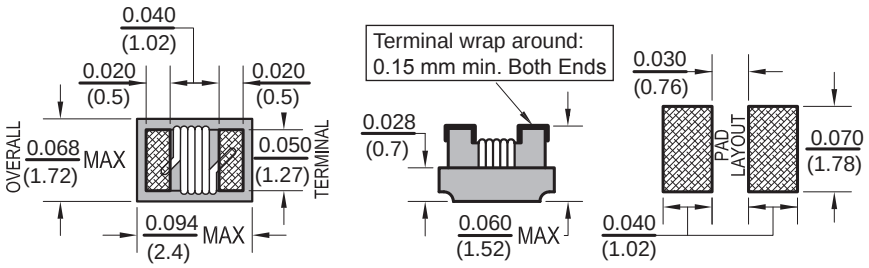
LS05 Ferrite Core Chip Inductors

Dimensions: Inches (mm)





Features

- 0805 SMD for Auto Insertion
- Low DCR for Low Loss Applications
- Excellent Solderability Characteristics
- High resistant to mechanical forces
- Excellent reliability in temperature and climate change

Electrical

Inductance Range: .078uh to 47uh
Tolerance: 5% Across entire range also available in 10% and 20%.
Test Frequency: (L/Q) .078uh to 6.8uh tested at 7.9Mhz @ 200mv 8.2uh to 47uh tested at 2.5MHz @ 200mv.
Operating Temp: - 25ºC ~ 85ºC
IDC: Inductance drop 10% Typ. from original value with no current.

Resistance to Soldering 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 7inch reel.
Marking: Single Dot Color Code.

Allied Part Number	Inductance (uH)	Tolerance (%)	Q TYP.	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	IDC (mA)
LS05-78NJ-RC	.078	5	19	7.9	1440	0.06	2000
LS05-90NJ-RC	.090	5	19	7.9	1200	0.07	2000
LS05-R11J-RC	.110	5	19	7.9	1200	0.07	2000
LS05-R47J-RC	.470	5	19	7.9	480	0.40	800
LS05-R68J-RC	.680	5	20	7.9	480	0.40	800
LS05-1R0J-RC	1.00	5	20	7.9	400	0.69	700
LS05-1R2J-RC	1.20	5	20	7.9	330	0.83	700
LS05-1R5J-RC	1.50	5	20	7.9	330	0.83	700
LS05-1R8J-RC	1.80	5	20	7.9	300	1.00	650
LS05-2R2J-RC	2.20	5	20	7.9	250	1.10	650
LS05-2R7J-RC	2.70	5	23	7.9	200	1.25	650
LS05-3R3J-RC	3.30	5	23	7.9	160	1.45	650
LS05-3R9J-RC	3.90	5	23	7.9	90	1.50	600
LS05-4R7J-RC	4.70	5	20	7.9	70	1.60	530
LS05-5R6J-RC	5.60	5	20	7.9	65	1.70	500
LS05-6R8J-RC	6.80	5	20	7.9	45	1.95	470
LS05-8R2J-RC	8.20	5	16	2.5	45	2.10	450
LS05-100J-RC	10.0	5	16	2.5	40	2.40	400
LS05-120J-RC	12.0	5	16	2.5	38	3.20	360
LS05-150J-RC	15.0	5	16	2.5	35	3.55	350
LS05-180J-RC	18.0	5	16	2.5	25	4.90	300
LS05-220J-RC	22.0	5	16	2.5	20	5.45	270
LS05-270J-RC	27.0	5	16	2.5	19	7.80	240
LS05-470J-RC	47.0	5	16	2.5	15	14.5	180

All specifications subject to change without notice.