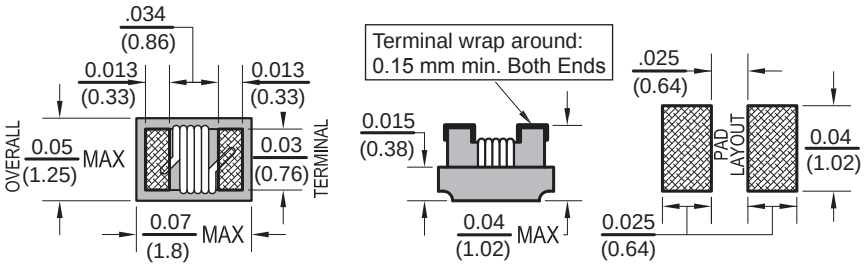
RoHS

Ferrite Core Chip Inductors LS03

Dimensions: Inches / (mm)





Allied Part Number	Inductance (uH)	Tolerance (%)	Q TYP.	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	IDC (mA)
LS03-47NJ-RC	.047	5	17	7.9	1700	.075	1500
LS03-72NJ-RC	.072	5	17	7.9	1700	0.12	1500
LS03-R10J-RC	0.10	5	17	7.9	1650	0.13	1500
LS03-R12J-RC	0.12	5	17	7.9	1350	0.15	1500
LS03-R15J-RC	0.15	5	17	7.9	1350	0.15	1450
LS03-R18J-RC	0.18	5	17	7.9	1150	0.15	1400
LS03-R22J-RC	0.22	5	17	7.9	1050	0.16	1350
LS03-R24J-RC	0.24	5	17	7.9	1050	0.19	1300
LS03-R27J-RC	0.27	5	17	7.9	1050	0.30	1050
LS03-R33J-RC	0.33	5	17	7.9	850	0.46	1200
LS03-R39J-RC	0.39	5	17	7.9	810	0.51	1200
LS03-R47J-RC	0.47	5	17	7.9	720	0.62	1050
LS03-R56J-RC	0.56	5	17	7.9	600	0.44	850
LS03-R68J-RC	0.68	5	17	7.9	600	0.52	850
LS03-R78J-RC	0.78	5	17	7.9	460	0.83	850
LS03-R82J-RC	0.82	5	17	7.9	480	0.69	750
LS03-1R0J-RC	1.00	5	18	7.9	310	0.81	600
LS03-1R2J-RC	1.20	5	17	7.9	270	0.87	550
LS03-1R5J-RC	1.50	5	17	7.9	270	1.06	540
LS03-1R8J-RC	1.80	5	17	7.9	230	1.10	520
LS03-2R2J-RC	2.20	5	17	7.9	140	1.20	500
LS03-2R7J-RC	2.70	5	17	7.9	105	1.50	480
LS03-3R3J-RC	3.30	5	17	7.9	84	1.50	440
LS03-3R9J-RC	3.90	5	17	7.9	80	1.60	430
LS03-4R7J-RC	4.70	5	18	7.9	69	2.10	420
LS03-5R6J-RC	5.60	5	18	7.9	65	2.60	400
LS03-6R8J-RC	6.80	5	19	7.9	55	3.10	400
LS03-7R8J-RC	7.80	5	17	7.9	47	3.50	400
LS03-8R2J-RC	8.20	5	17	7.9	42	3.60	400
LS03-100J-RC	10.00	5	19	7.9	40	4.80	300

All specifications subject to change without notice.

Features

- 0603 SMD for Auto Insertion
- Low DCR for Low Loss Application
- Excellent Solderablity Characteristics
- Highly resistant to mechanical forces
- Excellent reliability in temperature and and climate change

Electrical

Inductance Range: .047uh to 10uh
Tolerance: 5% Across entire range also available in 10% and 20%.
Test Frequency: (L/Q) 7.9Mhz@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): Agilent E4991A
(IDC): HP4284A with HP42841A /HP4285A with HP42841A

Physical

Packaging: 4000 pieces per 7 inch reel
Marking: Single Dot Color Code