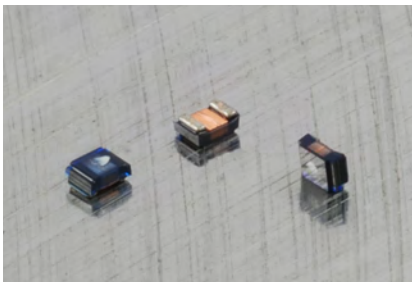
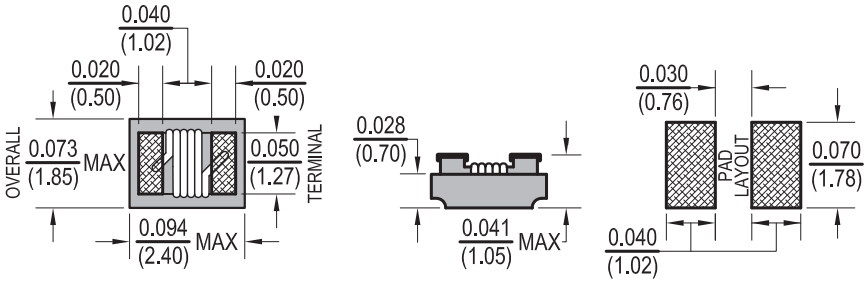
LT05 Ferrite Core Chip Inductors Low Profile



Dimensions: Inches (mm)



Allied Part Number	Inductance (µh)	Tolerance (%)	Q Min.	L,Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	IDC (mA)
LT05-R12K-RC	.12	10	22	25.2	1500	0.33	1200
LT05-R15K-RC	.15	10	22	25.2	1100	0.33	1200
LT05-R18K-RC	.18	10	22	25.2	1100	0.36	1100
LT05-R22K-RC	.22	10	22	25.2	1100	0.39	1100
LT05-R27K-RC	.27	10	22	25.2	950	0.43	1050
LT05-R33K-RC	.33	10	22	25.2	650	0.46	900
LT05-R39K-RC	.39	10	22	25.2	640	0.48	850
LT05-R47K-RC	.47	10	22	25.2	570	0.65	800
LT05-R56K-RC	.56	10	22	25.2	540	0.67	770
LT05-R68K-RC	.68	10	22	25.2	500	0.73	750
LT05-R82K-RC	.82	10	22	25.2	480	0.85	730
LT05-1R0K-RC	1.0	10	15	7.96	470	0.87	720
LT05-1R2K-RC	1.2	10	15	7.96	450	0.97	690
LT05-1R5K-RC	1.5	10	15	7.96	400	1.10	670
LT05-1R8K-RC	1.8	10	15	7.96	340	1.15	650
LT05-2R2K-RC	2.2	10	15	7.96	265	1.28	630
LT05-2R7K-RC	2.7	10	15	7.96	235	1.40	620
LT05-3R3K-RC	3.3	10	15	7.96	190	1.62	580
LT05-3R9K-RC	3.9	10	15	7.96	180	1.75	570
LT05-4R7K-RC	4.7	10	15	7.96	160	1.95	550
LT05-5R6K-RC	5.6	10	15	7.96	120	2.14	540
LT05-6R8K-RC	6.8	10	15	7.96	45	2.28	520
LT05-8R2K-RC	8.2	10	15	7.96	42	2.55	500
LT05-100K-RC	10	10	10	2.52	38	2.70	450
LT05-120K-RC	12	10	10	2.52	33	4.20	400
LT05-150K-RC	15	10	10	2.52	30	4.80	380
LT05-180K-RC	18	10	10	2.52	25	5.74	300
LT05-220K-RC	22	10	10	2.52	23	7.75	260
LT05-270K-RC	27	10	10	2.52	21	10.0	230
LT05-330K-RC	33	10	10	2.52	16	13.5	200
LT05-390K-RC	39	10	10	2.52	15	16.0	190

All specifications subject to change without notice.

Features

- Low Profile only 1.05mm Tall
- SMD wire wound Ferrite Core
- Exceptional Q values
- Wide inductance range

Electrical

Inductance Range: 0.12µh ~ 39µh
Tolerance: 10% over entire range also available in tighter tolerances
Operating Temp: -25ºC ~ +85ºC
IDC: Inductance drop 10% from its 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: 245ºC for ± 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: None