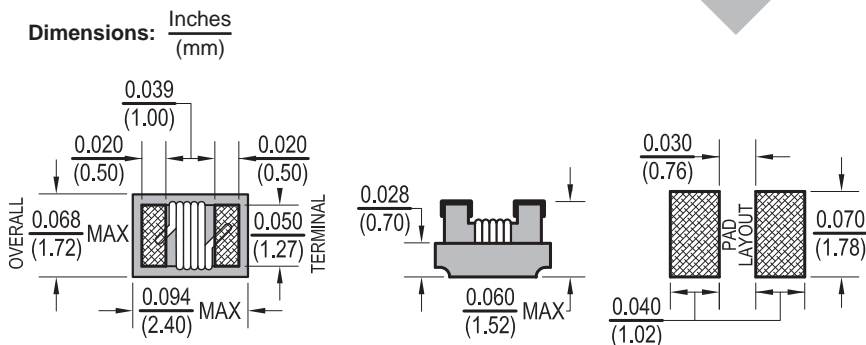


LD05 Ferrite Core Chip Inductors Low Resistance



Allied Part Number	Inductance (μh)	Tolerance (%)	Q Typ.	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. ($\Omega \pm 30\%$)	IDC (mA)
LD05-1R0M-RC	1.0	20	18	7.96	100	0.10	800
LD05-1R5M-RC	1.5	20	18	7.96	90	0.18	650
LD05-2R2M-RC	2.2	20	18	7.96	70	0.24	550
LD05-3R3M-RC	3.3	20	18	7.96	55	0.30	450
LD05-4R7M-RC	4.7	20	18	7.96	50	0.47	360
LD05-6R8M-RC	6.8	20	18	7.96	60	0.75	290
LD05-100M-RC	10	20	18	7.96	25	0.90	290
LD05-150M-RC	15	20	18	7.96	25	1.60	230
LD05-220M-RC	22	20	18	7.96	17	1.95	190
LD05-330M-RC	33	20	18	7.96	15	2.60	120
LD05-470M-RC	47	20	18	7.96	11	3.90	95
LD05-680M-RC	68	20	18	7.96	11	5.50	95
LD05-101M-RC	100	20	18	7.96	9	9.00	70

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

Features

- Miniture SMD 0805 wire wound
- Wide inductance range
- Low DC resistance

Electrical

Inductance Range: $1\mu\text{h} \sim 100\mu\text{h}$

Tolerance: 20% over entire range also available in tighter tolerances

Operating Temp: $-25^\circ\text{C} \sim +85^\circ\text{C}$

IDC: Inductance drop 10% from its value without current.

L/Q: Test OSC @ 200mV

Resistance to Soldering Heat

Pre-Heat 150°C , 1 minute.

Solder Composition: Sn/Ag3.0/Cu0.5

Solder Temp: $260^\circ\text{C} \pm 5^\circ\text{C}$ for 10 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