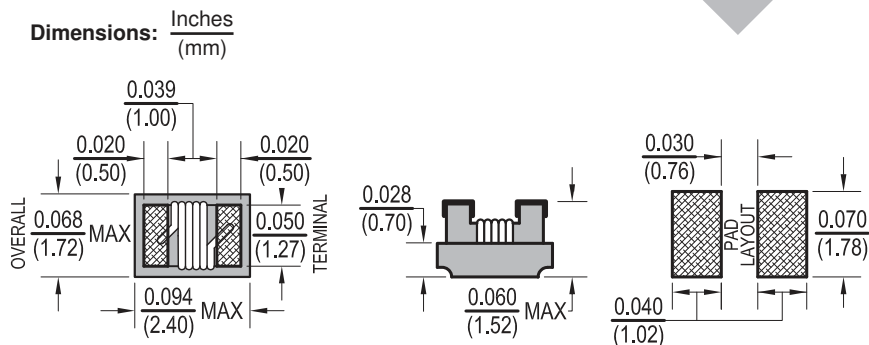


# LD05 Ferrite Core Chip Inductors Low Resistance



Allied Part Number	Inductance ( $\mu\text{H}$ )	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  $150^{\circ}\text{C}$ , 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