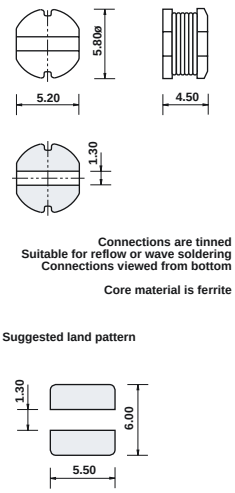
Type CD54
(10 ~ 220)μH

- # Ferrite core
- # High S.R.F.
- # smd mounting
- # Miniature size

Dimensions(mm)



The type CD54 smd inductors provide high inductance and rated d.c. current with very small size. They are very high quality components which may be assembled using reflow or wave soldering techniques and supplied packed in bulk or on 12mm tape and reel, 1500 pieces per reel. Maximum rated current is based on a temperature rise of +40℃ and a maximum inductance fall to 80% of the original value.

Electrical specification

Inductance range	*(10 ~ 82)μH at 2.52MHz, (100 ~ 220)μH at 1kHz,*
Core material	*Ferrite*
Temperature range	*(-25 +70)°C*
Moisture resistance	*H ±5% max., Q ±10% max., relative humidity 90% ~ 95%, +40°C, 24 hours*
Marking	*Date code, inductance code*
Insulation resistance	*100MΩ min.*
Voltage rating	*100Vd.c.*
Temperature coefficient	*(0 ~ 2000)ppm/°C*
Vibration	*±2% max. (10 ~ 55)Hz, 1.5mm displacement, three planes, duration 1 hour*
Shock	*±2% max., three shocks of 100g, each of three planes*

TFC Part No.	Inductance Code	Value	Ω d.c. max.	d.c. current Amps max.	s.r.f. min. MHz
CD54 - 100MC	*100M*	*10μH ±20%*	*0.10*	*1.44*	*30.6*
CD54 - 120MC	*120M*	*12μH ±20%*	*0.12*	*1.40*	*27.7*
CD54 - 150MC	*150M*	*15μH ±20%*	*0.14*	*1.30*	*25.9*
CD54 - 180MC	*180M*	*18μH ±20%*	*0.15*	*1.23*	*23.3*
CD54 - 220MC	*220M*	*22μH ±20%*	*0.18*	*1.11*	*19.5*
CD54 - 270MC	*270M*	*27μH ±20%*	*0.20*	*0.97*	*17.5*
CD54 - 330LC	*330L*	*33μH ±15%*	*0.23*	*0.88*	*16.3*
CD54 - 390LC	*390L*	*39μH ±15%*	*0.32*	*0.70*	*15.8*
CD54 - 470LC	*470L*	*47μH ±15%*	*0.37*	*0.72*	*13.6*
CD54 - 560KC	*560K*	*56μH ±10%*	*0.42*	*0.68*	*12.1*
CD54 - 680KC	*680K*	*68μH ±10%*	*0.46*	*0.61*	*11.7*
CD54 - 820KC	*820K*	*82μH ±10%*	*0.60*	*0.58*	*10.2*
CD54 - 101KC	*101K*	*100μH ±10%*	*0.70*	*0.52*	*9.24*
CD54 - 121KC	*121K*	*120μH ±10%*	*0.93*	*0.48*	*8.61*
CD54 - 151KC	*151K*	*150μH ±10%*	*1.10*	*0.40*	*8.28*
CD54 - 181KC	*181K*	*180μH ±10%*	*1.38*	*0.38*	*6.42*
CD54 - 221KC	*221K*	*220μH ±10%*	*1.57*	*0.35*	*5.73*

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ISO9001: 2000
RS13124
ISO14001: 1996
EMS53965