

TDK Inductors — NLFC, NLV, NLHV, NLCV, FLF, NLFV, NLC, NL and CPL Series



NLFC Series: This product has good heat durability that withstands lead-free compatible reflow soldering conditions. Lead-free materials are used for the plating on the terminal. The NLFC series features magnetic shielding and is recommended for power supply line applications. DC.R: ±30% Operating Temperature: -40°C - 85°C (-40°F - 185°F)
NLV Series: This product supports lead-free solder reflow condition. Lead-free materials are used to terminal plating. This product uses metal terminal, therefore it is high connection reliability. They are wire wound
Operating Temperature: -40°C - 85°C (-40°F - 185°F)
NLCV Series: Lead-free materials are used to terminal plating in this product. Applications: • Universal inductance circuit use • AV components • Car electronics • IT equipment This series is a large current type: 1.0 - 33 µH (NLCV32: 1.0 - 330 µH) DC.R: ±30% Operating Temperature: -40°C - 85°C (-40°F - 185°F)
FLF Series: Features: • It delivers low Rdc with high Idc. • It is able to withstand high temperature reflows (260°C during the peak) used in lead-free soldering. Applications: • Information electrical appliance equipment (HDD) • Information electrical appliance equipment (W_LAN) • Portable Phone Equipment (Digital Cellular) • Portable AV Equipment (DSC, DVC, AUDIO, etc.) Operating Temperature: -40°C - 125°C (-40°F - 257°F)
NLHV Series: High Q-Factor is provided in frequency band more than 30MHz Applications: • Power supply lines • Audio visual systems • Electronic equipment for vehicles • IT equipment Operating Temperature: -40°C - 105°C (-40°F - 221°F)

NLFV Series: Provides low DC resistance while using 252018 size winding construction Applications: • PCs • Hard disk drives • Other types of electronics DC.R: ±20% Operating Temperature: -20°C - 85°C (-4°F - 185°F) PFR Series Operating Temperature: -40°C - 125°C
NLC4532 Series: Designed to be used on power lines and support rated current in the range from 90 - 150mA. NLC Series has only half as much DC resistance and twice as much DC current. Operating Temperature: -40°C - 105°C (-40°F - 221°F)
NL Series: Features good heat durability that withstands lead-free compatible reflow soldering conditions. Uses metal terminals, which realize excellent connection reliability Applications: • Electronic equipment used in communication infrastructures including xDSL and mobile base stations • Electronic equipment used in onboard automobile equipment including car audio and ECU systems • Audio visual equipment including TVs and VCRs • Other electronic equipment including HDDs and ODDs
CPL Series: Delivers low Rdc with high Idc and able to withstand high temperature reflows (260°C during the peak) used in lead-free soldering Applications: • Portable audio visual devices (DSCs and DVCs) • Mobile communication devices (cellular phones) • Information devices (PCs). Operating Temperature: -40°C - 105°C (-40°F - 221°F)

Dimensions in mm

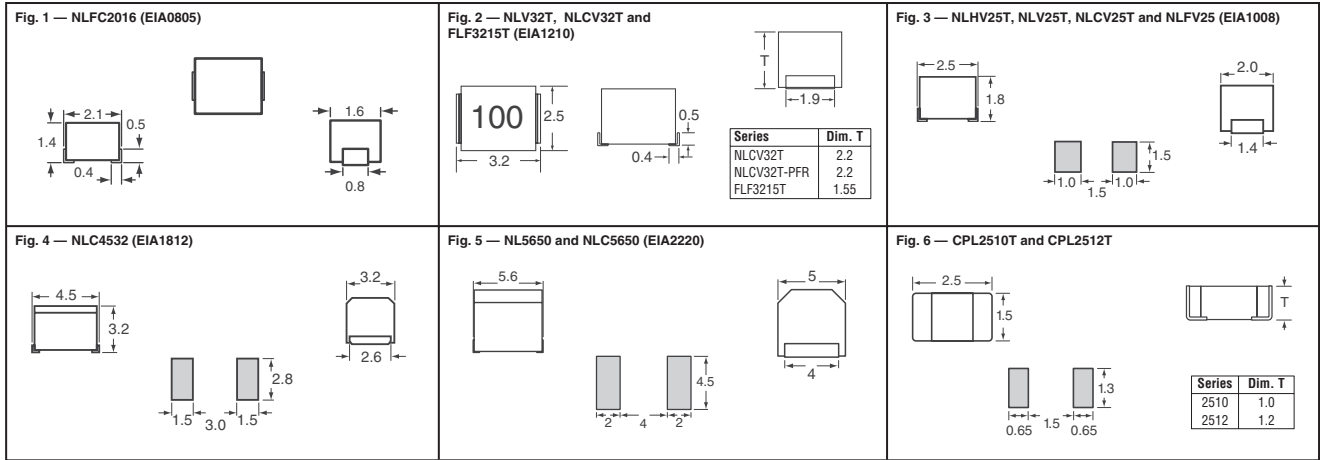


Table with columns: Inductance (µH), Inductance Tol., Test Freq. (MHz), DC Res. (Ω), Rated Current Max. (mA), SRF (MHz), Digi-Key Part No., Cut Tape Pricing (1, 10, 100), Tape and Reel Pricing (2,000), TDK Part No.

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Digi-Reel Most SMT cutdown parts are available on a Digi-Reel. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key Services on page 2 for additional information.

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