

MLK Series: Supports operating frequency bands of up to 12GHz with nominal inductance values from 1 – 100nH. Provides high Q characteristics. Advanced monolithic structure is formed using a lamination and firing process with high-frequency ceramic and conductive materials. Because the part is non-polarized, it can be used in bulk cassette loaders. Operating Temperature: -25°C – 85°C MLF Series - Magnetic Shielded Inductor: TDK's MLF multi-layer chip inductor combines high performance with the most compact design available today. MLF inductor's multi-layer technology utilizes ferrite paste and electric conductor paste layered in a monolithic structure. Sintering of ferrite and electric conductors forms a perfect closed magnetic circuit and a magnetic shield. Magnetic shielding is ideally suited for high density circuit application in disk drives, personal computers, measuring equipment, and telephone equipment. Operating Temperature: -25°C – 85°C GLF Series: Features: • Delivers low Rdc with high Idc • Construction supports bulk mounting Applications: Perfect coil for step-up circuits, step-down circuits and decoupling circuits for each set power supply circuit • Portable audio visual devices • Mobile communication devices • Information devices (GLF1608) • Amusement devices (GLF1608) Operating

Temperature: -40°C – 105°C GLCR and GLFR Series: Features: • Delivers low Rdc with high Idc • Able to withstand high temperature reflows (260°C during peak) used in lead free soldering Applications: • Portable audio visual devices • Mobile communication devices • Information devices Operating Temperature: -40°C – 105°C MLG Series: Supports operating frequency bands of up to 10GHz with nominal inductance values from 0.6 – 390nH. Provides high Q characteristics. Advanced monolithic structure is formed using a lamination and firing process with high-frequency ceramic and conductive materials. Operating Temperature: (MLG1005S, MLG0603S and MLG0603D) -55°C – 125°C; (MLG1608) -25°C – 85°C MLZ Series: This is a multi-layered inductor primarily designed for choking power lines. With one of the best resistance performance in the industry, this product delivers a significantly lower DC resistance value compared to our previous products. This reduces the loss at the power supply and contributes to power conservation. Applications: Choke coil to use for DVC, DSC, MD, power supply circuit such as various module. Operating Temperature: -55°C – 125°C

Dimensions in mm

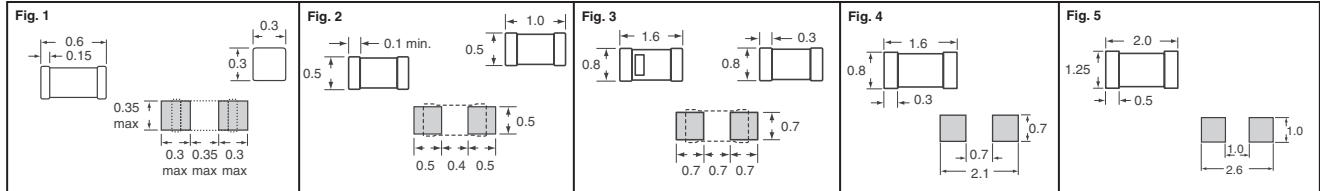


Table with columns: Inductance, Inductance Tolerance, Test Freq., DC Res., Rated Current, SRF, Digi-Key Part No., Cut Tape Pricing, Tape and Reel Pricing, TDK Part No. Fig. 1 - MLK0603 (0201)

Table with columns: Inductance, Inductance Tolerance, Test Freq., DC Res., Rated Current, SRF, Digi-Key Part No., Cut Tape Pricing, Tape and Reel Pricing, TDK Part No. Fig. 2 - MLK1005 (0402)

Table with columns: Inductance, Inductance Tolerance, Test Freq., DC Res., Rated Current, SRF, Digi-Key Part No., Cut Tape Pricing, Tape and Reel Pricing, TDK Part No. Fig. 2 - MLF1005 (0402)

Table with columns: Inductance, Inductance Tolerance, Test Freq., DC Res., Rated Current, SRF, Digi-Key Part No., Cut Tape Pricing, Tape and Reel Pricing, TDK Part No. Fig. 4 - MLF1608 (0603)

Table with columns: Inductance, Inductance Tolerance, Test Freq., DC Res., Rated Current, SRF, Digi-Key Part No., Cut Tape Pricing, Tape and Reel Pricing, TDK Part No. Fig. 5 - MLF2012 (0805)

† For Tape and Reel part number, change 1-ND to 2-ND. (Continued)

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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