



### Multilayer Varistor TVS Surface Mount ML Series

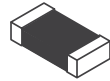


SPECIFICATIONS: • Typical leakage at 25°C-25A, maximum leakage, 100A at V<sub>M</sub>(DC) • Average power dissipation of transients for 0402, 0603, 0805, 1206 and 1210 sizes not to exceed 0.03W, 0.05W, 0.1W, 0.1W and 0.15W respectively FEATURES: • Multilayer ceramic construction technology • Operating Temperature Range: -55°C - 125°C • Operating Voltage Range: 5.5V - 120V • Inherent Bi-directional clamping

Table with columns: Maximum Continuous Working Voltage, Package, Maximum Clamping Voltage @1A, Maximum Non-Repetitive Surge Current, Maximum Non-Repetitive Surge Energy, Nominal Voltage @ 1mA DC, Capacitance, Digi-Key Part No., Cut Tape Pricing, Digi-Key Part No., Tape and Reel, Littelfuse Part No.

‡ Nickel Plated Terminations † @ 2.5A

### High Speed Multilayer Varistors TVS Surface Mount ESD Surge Suppressor — MHS Series



This series provides protection from ESD and EFT in high-speed data-line and other high frequency applications. The low capacitance of the MHS series permits usage in analog or digital circuits where it will not attenuate or distort the desired signal or data. Features: • Rated for ESD IEC 61000-4-2 (Level 4) • Rated for EFT/8 IEC 61000-4-4 (Level 4) • Inherently Bi-directional • Operating Temperature: -55°C - 125°C • Construction: Multi-layer semiconducting ceramics • Nickel-plated terminations

Table with columns: Package, Maximum Continuous Working Voltage, Maximum Non-Repetitive Surge Energy, Maximum Clamping Voltage @ 1A, Maximum ESD Clamp Voltage, Maximum Leakage Current, Capacitance, Digi-Key Part No., Cut Tape Pricing, Digi-Key Part No., Tape and Reel, Littelfuse Part No.

† Tested to IEC-61000-4-2 Human Body Model (HBM) discharge test circuit. ‡ Direct discharge to device terminals (IEC preferred test method). †† Corona discharge through air (represents actual ESD event).

### Multilayer Varistors TVS Surface Mount ESD Suppressor/Filter — MLE Series



These components are designed to suppress ESD events, including those specified in IEC61000-4-2 or other Standards used for Electromagnetic Compliance testing. Features: • Rated for ESD (IEC 61000-4-2) • Characterized for Impedance and Capacitance • Operating Temperature Range: -55°C - 125°C • Multilayer Ceramic Construction Technology • Reel Option: 7 inch (178mm) diameter

Table with columns: Package, Maximum Continuous Working Voltage, Nominal Voltage @1mA DC, Maximum ESD Clamp Voltage, Maximum Leakage Current, Capacitance, Digi-Key Part No., Cut Tape Pricing, Digi-Key Part No., Tape and Reel, Littelfuse Part No.

§ For applications of 18VDC or less. Higher voltages available. † Tested to IEC61000-4-2 Human Body Model (HBM) discharge test circuit. ‡ Direct discharge to device terminals (IEC preferred test method). †† Corona discharge through air (represents actual ESD event).

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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