Resettable Fuses

Bourns announced the expansion of its Multifuse&reg product line. The new products being launched include additions to various series.
The MF-USMD family of SMT resettable fuses has a 1210 mils footprint. Bourns Multifuse Polymer PTC's offer overcurrent protection for a variety of applications, including motherboards, add-on cards, disk drives, peripherals and hand-held devices. The MF-USMD family comes in a range of hold currents from 50 mA to 1.1 A and is suitable for most low voltage applications. The MF-USMD family has voltage ratings from 6 to 30 volts and trip times of less than 0.3 seconds (@ 23 C and 8 A). The 1210/3225 footprint is a 40% reduction in size from the MF-MSMD family (1812/4532 footprint). These devices have UL, CSA and TUV certification pending and are available in T&R packaging (EIA 481-1).
Bourns Multifuse introduces five new 1812 mils SMT parts to the existing MF-MSMD family of PPTC resettable fuses. These parts extend the hold current range from 1.25, 1.50, 2.00 A and 2.6 A while maintaining the same 1812/4532 footprint, useful for high-density board applications. These parts are used in circuit protection designs for USB ports, Firewire ports, add on cards, disk drives and peripherals. The MF-MSMD family of PPTC's has voltage ratings from 6 V to 8 V and has low internal resistances ranging from 30 mOhms to 60 mOhms. The higher current devices are using Bourns proprietary multi-layer technology to maintain the 1812 footprint while providing designers with greater flexibility. All devices are UL, CSA and TUV certified.
Bourns Multifuse now offers a new line of battery strap protection devices, giving designers of Polymer Lithium and Lithium Ion battery packs greater choice and flexibility in their circuit designs. The new MF-VS family has trip temperatures of 85 &#176 C and resistance values of 18 to 30 mOhms. The MF-VS family offers hold currents from 1.7 A to 2.4 A and can be produced with a variety of lead length options. The MF-VS family has full agency approval for UL, CSA and TUV.
Bourns Multifuse now offers a line of radial and SMT parts that can withstand the high surge voltages of today's telecom industry. Introduced to accommodate the telecom market, the new products can withstand voltage spikes of up to 250 V or higher under certain circumstances, and can be used in conjunction with an over-voltage protector, such as a Bourns TISP&regproduct, to shield against lightning strikes, power induction, power cross and transmission line faults. The higher voltage families are used extensively in the Telecom industry for SLIC card, POTS, DSL and data line protection

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