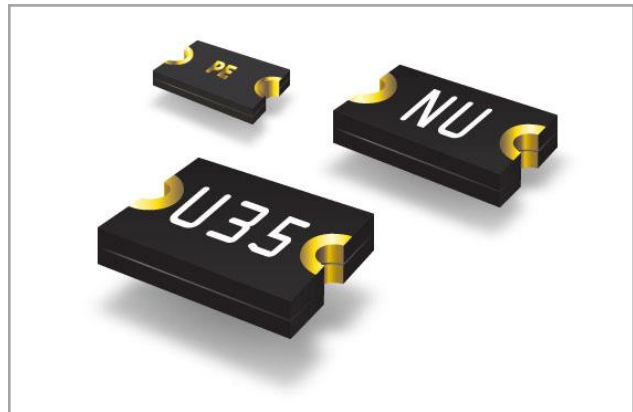


## **Bourns Expands Successful Line of Multifuse® Ultra-Low Resistance Surface Mount PPTC Resettable Fuses**

*New PPTC models provide optimal circuit protection performance for a wide variety of space-constrained portable electronics applications*

**RIVERSIDE, Calif., July 18, 2017** - Bourns, Inc., a leading manufacturer and supplier of [electronic components](#), today announced it has expanded its successful line of ultra-low resistance Multifuse® Polymer Positive Temperature Coefficient (PPTC) resettable fuses. Bourns is introducing the new model series MF-PSML (0805 size) while adding new low-profile devices to the company's



Bourns® new Multifuse® MF-PSML, MF-NSML, MF-USML series

existing MF-NSML (1206 size) and MF-USML (1210 size) series products. Bourns is extensively increasing its Multifuse product line to provide design engineers with a breadth of low-resistance overcurrent and thermal circuit protection solutions that meet their space-constrained application requirements.

Featuring small package sizes from 1210 to 0805, the expanded Multifuse line delivers increased resettable fuse performance from higher hold currents (I<sub>hold</sub>) up to 7.0 Amps, higher voltages (V<sub>max</sub>) and post trip resistance values as low as 12 mOhms for enhanced resistance stability. For example, providing ultra-low resistance values helps boost the line's current-carrying capability where one model can now achieve a 7 A I<sub>hold</sub> in a compact 1210 package (MF-USML700-2). These features enable longer battery life and faster charging in today's smaller lithium-ion battery-based devices making the new models ideal resettable protection solutions for a wide range of portable electronic applications.

All the new Multifuse models are based on Bourns' freeXpansion™ technology, which is a space-saving manufacturing process that enables smaller surface mount package sizes, while also making it possible for Multifuse® devices to handle larger currents and voltages with improved resistance stability.

“The ultra-low resistance, small footprint, and low profile all make our latest Multifuse® product series ideal protection solutions for a new generation of space-constrained portable devices including smartphones, tablets, wireless headphones, PC motherboards, USB drives and gaming consoles,” said Lee Bourns, Multifuse Product Line Manager at Bourns, Inc. “And because these devices are based on Bourns' freeXpansion™ technology, they offer superior current, voltage and resistance performance over traditional PTC solutions for designs that require more advanced overcurrent and overtemperature protection.”

Manufactured in a Bourns TS16949-approved facility, the latest Multifuse® PPTC resettable fuses are available now, are RoHS compliant\* and UL recognized for safety requirements.

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## **About Bourns**

Bourns, Inc. is a leading manufacturer and supplier of position and speed sensors, circuit protection solutions, magnetic components, microelectronic modules, panel controls and resistive products. Headquartered in Riverside, California, USA, Bourns serves a broad range of markets, including automotive, industrial, consumer, communications, non-critical life support medical, audio and various other market segments. Additional company and product information is available at [www.bourns.com](http://www.bourns.com).

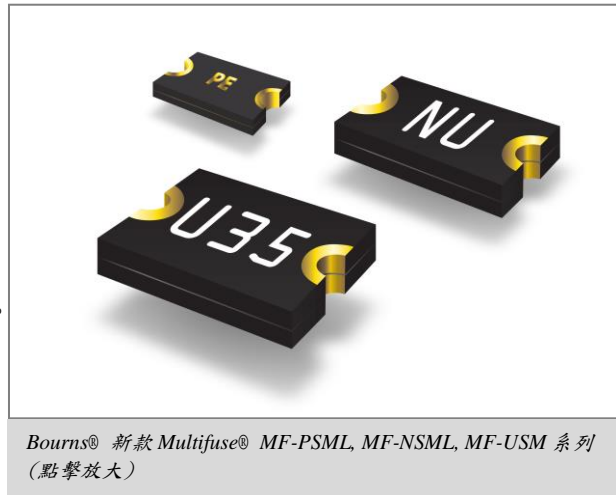
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\*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

# Bourns 擴大廣受好評的 Multifuse® 超低阻抗表面貼裝型 PPTC 可復位保險絲

新型 PPTC 型號為各種空間受限的攜帶型電子應用提供最佳電路保護性能

台北訊，2017 年 8 月 10 日—Bourns，全球知名電子元件領導製造供應商，近日宣布擴大其佳評如潮的 Multifuse® 正溫度係數高分子聚合物（簡稱 PPTC）可復位保險絲。Bourns 推出新系列 MF-PSML（尺寸 0805），為公司現有的 MF-NSML（尺寸 1206）與 MF-USML（尺寸 1210）產品系列增添低矮款元件。Bourns 正在大規模新增其 Multifuse® 產品線，為設計工程師提供多樣的低阻抗的過電流與電路過熱防護方案，克服空間限制，滿足他們的應用需求。



封裝尺寸小是其特色所在，尺寸範圍為 1210 至 0805，擴增後的 Multifuse® 產品線提供更優異的可復位保險絲性能，保持電流 ( $I_{hold}$ ) 更優，高達 7.0 Amps，且電壓 ( $V_{max}$ ) 也增大了，動作後的阻抗值低至 12 mOhms，因而阻抗穩定性更佳。舉例來說，超低阻抗有助提升本產品線的電流吸持能力，封包尺寸小至 1210 的型款 (MF-USML700-2) 現在的電流吸持力高達 7 Amps。在今日體積更小的鋰離子電池裝置中，這些特色讓電池的壽命更長，充電更快速，讓新增的型款成為眾多可攜式電子應用的理想可復位保護方案。

所有的這些新款 Multifuse® 產品採用了 Bourns 的 *freeExpansion*™ 技術，是非常節省空間的製程，進一步減少表面安裝封包的體積，亦讓 Multifuse® 元件可處理更大的電流與電壓，阻抗穩定更佳。

「超低阻抗、小體積與低矮形狀，讓我們最新的 Multifuse® 產品系列成為新一代受到空間限制的可攜式裝置的理想保護方案，包括智慧手機、平板電腦、無線耳機、電腦主機板、USB 硬碟及遊戲主機」，Bourns 的 Multifuse 產品線經理 Lee Bourns 如此說道。「因為這些元件採用了 Bourns 的 *freeExpansion*™ 技術，因此展現優於傳統 PTC 方案的優異電流、電壓與阻抗性能，適合要求更高階過電流與過溫保護的設計。」

由通過 TS16949 認證的 Bourns 廠房製造，最新的 Multifuse® PPTC 可復位保險絲已上市銷售，在安全上，通過 RoHS\*與 UL 的認證。

\*RoHS 指令 2002/95/EC 2003 年 1 月 27 日，包含附錄及 RoHS Recast 2011/65/EU 2011 年 6 月 8 日。

## **關於 Bourns**

Bourns- 是電子零組件業界的龍頭製造供應商，公司總部位於美國加州的河邊市，其產品包含：傳感器、電路保護解決方案、磁性零組件、微電子模組、面板控制器及電阻產品，服務產業涵蓋汽車、工業、消費、通信、非關鍵性的生命支持醫療、音頻以及其他各種市場。如需了解更多的公司與產品訊息，歡迎上公司網站查詢: [www.bourns.com](http://www.bourns.com).

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