BOURNS®New Product Release

CIRCUIT PROTECTION

Bourns Releases New PortNote® Solution and Design Kit Protecting Flyback Converters During Short Circuit Testing

Riverside, California - October 30, 2015 - Bourns is pleased to announce the release of the Offline Flyback Converter Short Circuit Protection PortNote® Solution and Design Kit.

Non-isolated low power offline flyback converters are used in a variety of different applications such as AC adaptors, E-meters, and battery chargers. Such converters produce high peak currents which can damage the output diode during short circuit testing.

This PortNote® Solution illustrates how a high temperate polymer PTC (Bourns® Model MF-RHT070-0) can help prevent the diode from being damaged during testing and how this can be a simple, low cost solution for engineers designing offline power supplies.

The new PortNote® Solution and Design Kit are available on the Bourns website at www.bourns.com. For an online video demonstration, please visit Bourns Videos on YouTube.

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t .	PORTNOTE*	Offline Flyb	ack Converter
re used in a	Solution Products	Short Circl	uit Protection
s, E-meters,	Solution Products	UDJECTIVE The objective of this PortNote' Solution is the low-cont overload protection of offline power supplies, by using high temperature Bourm' Malitiase PUTC Resettable Fuses. Transient overload testime on low-server offline	The PPTC resettable fuse protects the diode and the transformer during transferst overloading by going high ohmic and then resets back to a loss ohmic value once the overload is removed. High temperature Bourna's Multifuser PPTC
peak currents	MEP-RESERVED O	converters can be stressful on the output diode and the transformer. The high turns ratio converts relatively loss-peak currents in the	resettable fuses have temperature coefficients which are half the amount of standard Multifuse* PPTCs, giving them more consistent
rcuit testing.		primary side into peak currents of several amps on the secondary side, which can destroy the diode and overheat the transformer.	hold and trip characteristics.
_		Solution 1 Multifuse* PPTC Resettable Fuse: MF-RHT070-0 Compliance	Benefit The Rourns' Model MF-RHT070-0 resettable fase reduces the need for larger, more expensive indices. It also reduces the need for larger cores in the transformer.
perature	back Converter	EN 60335, IEC 60730 (low-power circuit text) IN+ DC Link 300 pH	9071+ 190819 0 0.3 A
perature		N- TABLE Central Lag	QUIT- Smitted for Clarity)
A Martin Control of the Control of t	- PARTER		constitute the complete circuit design holitons. Houseman's PortiNicite's solutions provide protections eccommendations for typical port threats.
BOURING		Fax +886-2256241 16	or more information, go to: vww.bourns.com e email: protection@bourns.com
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PortNote® Solution	Design Kit	Component Included
Offline Flyback Converter Short Circuit Protection	PN-DESIGNKIT-55	MF-RHT070-0

Should you have any questions or need additional information, please feel free to contact Customer Service/Inside Sales.