

BOURNS®

Design Kit Release

CIRCUIT PROTECTION

Bourns Releases New PortNote® Solution and Design Kit

Protection for G.Fast - Central Office (CO) & DPU Equipment

Riverside, California - May 13, 2016 - Bourns is pleased to announce the release of the *G.Fast CO and DPU Side Protection PortNote® Solution* to correspond with the *Model PN-DESIGNKIT-58 Design Kit*. PN-DESIGNKIT-58 contains samples of the three Bourns® components that are integral parts of the solution. The new G.Fast standard uses frequencies as high as 106 MHz to provide data rates up to 1 Gbps simultaneously in both the upstream and downstream directions. This solution protects these ports against lightning surge, power induction and AC power contact threats.

The new PortNote® Solution and Design Kit are available on Bourns' website at www.bourns.com.

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

PORTNOTE SOLUTIONS

G.Fast CO and DPU Side Protection

Solution Products

- TISP4G024L1W
- 2026-42-C2LF
- SM51430EL

Objective
G.Fast provides fast data transmission over a twisted pair of copper wire. This solution protects CO and DPU side ports against surge and power contact.

Solution

- 1 Thyristor Surge Protector (TISP): TISP4G024L1W
- 1 Gas Discharge Tube (GDT) Surge Arrestor: 2026-42-C2LF
- 1 Transistor: SM51430EL

Compliance*
ITU-T K.20 and K.45 Enhanced

Alternate Recommendations
Various G.Fast protection solutions are available depending on specific design constraints; contact your local Bourns technical representative for more information.

Benefit
This solution provides protection on the driver side without impairing the G.Fast signal.

TISP4G024L1W Thyristor Surge Protector and model 2026-42-C2LF Gas Discharge Tube and model SM51430EL Transistor are registered trademarks of Bourns, Inc. in the U.S. and other countries. © 2016 Bourns, Inc. All rights reserved. *Illustrates the application protection and does not constitute the complete circuit design. All other trademarks are the property of their respective owners.

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Bourns' PortNote® solutions provide protection recommendations for typical port threats. For more information, go to: www.bourns.com or email: process@bourns.com

PortNote® Solution	Design Kit	Components Included	Quantity
G.Fast CO and DPU Side Protection	PN-DESIGNKIT-58	TISP4G024L1W	5
		2026-42-C2LF	5
		SM51430EL	5