



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Solution Products



TISP4G024L1W



2026-42-C2LF



SM51430L

Design Kit



PN-DESIGNKIT-58

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 Transformer:
SM51430L

Compliance*

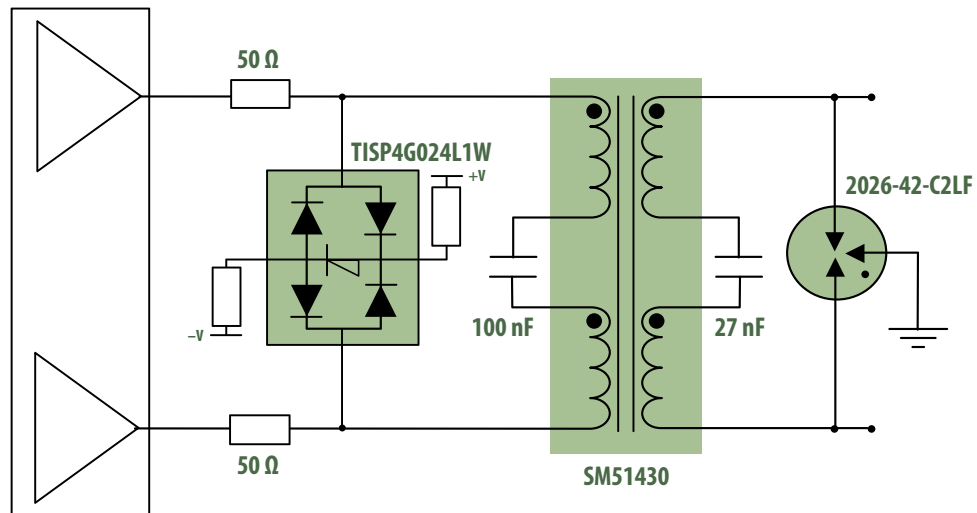
ITU-T K.20 and K.45 Enhanced

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.



*The Bourns® model TISP4G024L1W Thyristor Surge Protector and model 2026-42-C2LF Gas Discharge Tube and model SM51430L in conjunction help to ensure an application's compliance to ITU-T K.20 and K.45 Enhanced. These components can withstand 10/700 μ s surges as described in ITU-T K.20 Basic and K.45 Enhanced recommendation.

The schematic above illustrates the application protection and does not constitute the complete circuit design. Customers should verify actual device performance in their specific applications.