

# RF Port

## Broadband Equipment Protection

Bourns® PortNote® solutions provide protection recommendations for typical port threats.

### Solution Products



2031-15T-SM-RPLF



TBU-CA050-500-WH



CDSOD323-T05LC

### Objective

Exposed RF ports require a high-level of surge protection and a low insertion loss. This solution offers protection capability of 6 kV (10/700  $\mu$ s waveform) with minimal insertion loss.

### Solution

- 1 Fast-Acting Gas Discharge Tube (GDT):  
2031-15T-SM-RPLF
- 1 TBU® High-Speed Protector (HSP):  
TBU-CA050-500-WH
- 1 TVS Diode Array:  
CDSOD323-T05LC

### Compliance\*

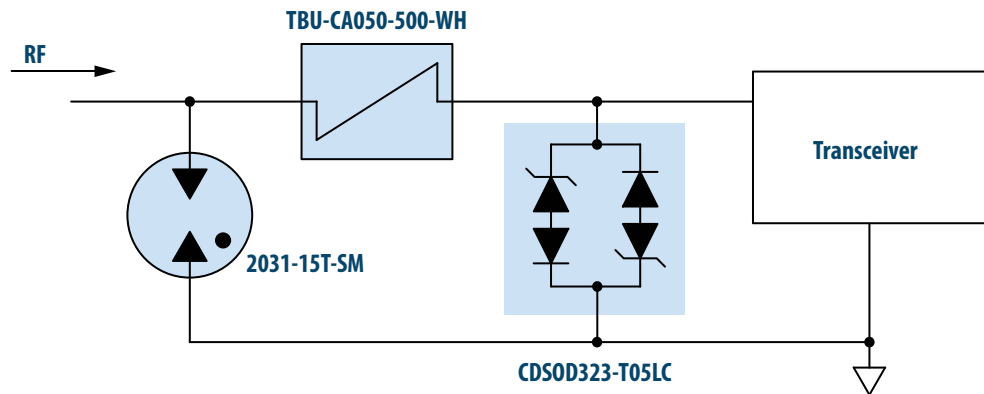
6 kV, 10/700 surge

### Alternate Recommendations

*CDSOD323-TxxLC for various voltage options.*

### Benefit

Provides both overcurrent and overvoltage protection, high-speed performance and low let-through energy.



*\*The Bourns® model 2031-15T-SM-RPLF Fast-Acting Gas Discharge Tube (GDT), TBU® HSP model TBU-CA050-500-WH and model CDSOD323-T05LC TVS Diode Array help to ensure an application's compliance to a 6 kV, 10/700 surge 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.*

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