**Objective**
Low voltage differential signaling (LVDS) utilizes a 1.25 V electrical signal. This solution protects LVDS which is exposed to high level surges.

**Solution**
2 TBU® High-Speed Protectors: TBU-CA085-200-WH
2 GDTs: 2031-42T-SM-RPLF
2 Switching Diode Arrays: CDSOT23-S2004

**Compliance**
IEC 61000-4-5; Class 4 and 5; 4000 V / 95 A

**Alternate Recommendations**
- LVDS: Input Port - Surge Protection
Specific solutions are also available for lower levels of IEC 61000-4-5 as well as the ITU-T and GR-1089-CORE documents.

**Benefit**
This solution provides line output protection without impairing the LVDS signal up to 3 GHz.