EXPOSED POWER OVER ETHERNET (PoE)

Circuit Conditioning

Objective
Introduction of a high current PoE transformer, enabling higher power applications for outdoor PoE applications

Solution
High current transformer:
• SM51625EL

Compliance*
IEEE802.3

Features & Benefits
This solution enables high power delivery over Ethernet cables without impacting signal integrity

*The Bourns® model SMS1625EL transformer is built to meet IEEE 802.3 specification, by fitting in the specified limits defined in the Clause 40.8.3 for Medium Dependent Interface (MDI) of the IEEE 802.3-2012, thus helps ensure an application’s compliance to IEEE 802.3-2012.

The schematic shown here illustrates the conditioning of the application and does not constitute the complete circuit design. Customers should verify actual device performance in their specific applications.