



DESCRIPTION

The Dual Cable Surge Protector was developed and deployed in the US Army's tactical Brigade Subscriber Node (BSN). The design of the Surge Protector is based on the 1N5616 Rectifier diodes and 1N5907 Transient Absorption Zener diodes employed in the original TRI-TAC Digital Group Multiplexer (DGM) family of equipment. It provides a 50 Ohm termination at frequencies up to 10MHz and protects transmission in both directions. The Surge Protector uses Triax type BJ76/T/U-V/W connectors which, having a non-insulated outer shield, allow a direct path for the surge voltage to the metal case thus preventing surge voltages from entering the unit and damaging internal components.

The Dual Cable Surge Protector's case is constructed of 0.062-inch thick aluminum with welded side seams. The overall dimensions of the unit are 4.5 inch long X 2.5 inch wide X 1.5 inch high and the weight is approx. 8 oz. The unit includes two mounting flanges.

