

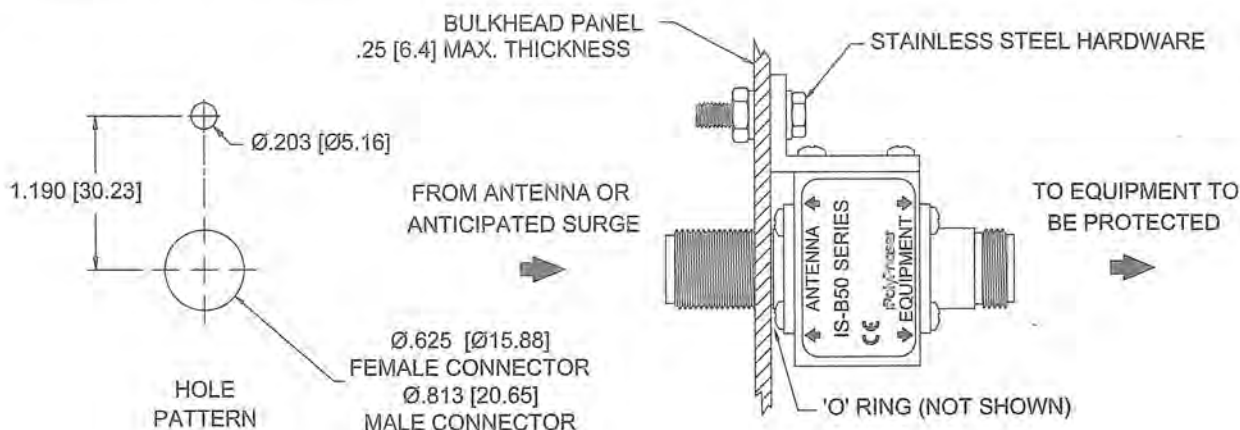
IMPULSE SUPPRESSOR INSTALLATION

IS-B50 SERIES

The IS-B50 Series bulkhead style Impulse Suppressor can accommodate up to 1/4" [6.4mm] thick panel. Make sure the mounting flange is free of oxidation or contaminants so a good electrical connection can be made. This unit is not weather proof and must be sealed against moisture.

For outside installations: Weather Proofing Kits (WK-1) and Copper Cleaning Kits (CCK) with conductive joint compound are available from PolyPhaser to seal your unit and its cable connections.

Drill or punch appropriate hole in your Bulkhead panel using the diagram. Locate the 'O' Ring and place on the "ANTENNA" connector. Insert the "ANTENNA" connector into the hole and place the flange down. Pencil mark the flange mounting hole location on the bulkhead panel and drill to accommodate 10-32 screw. Place lock washer on screw and insert through flange and into panel. Use lock washer and hex nut on outside for screw and nut mounting. Install and tighten connector nut if applicable. The coax leading to the antenna must be connected to the port labeled "ANTENNA". The unit will pass signals in both directions, but only the antenna port can shunt lightning energy to ground. This model is dc blocked and will not show a continuity path. The IS-B50 Series is capable of 50,000 Amp IEC 61000-4-5 8/20 μ s waveform surges. The VSWR is $\leq 1.1:1$ for the frequency band labeled per unit. If a higher VSWR is measured on this unit, call for Return Instructions.



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CAUTION - FOR UHF CONNECTORS: WHEN INSERTING MALE CENTER PIN DO NOT ALLOW ANY ROTATION.

IT IS VERY IMPORTANT THIS UNIT BE GROUNDED TO A LOW IMPEDANCE (LOW R AND LOW L) GROUND SYSTEM IN ORDER TO WORK PROPERLY. We strongly recommend this ground be interconnected to the tower ground and power ground to form one system. To minimize the "in-air" interconnect inductance to the ground system since skin effect is present, use as straight and as large a surface area strap as possible. Keep bends to 8.0" [203.2mm] radius or larger. The transmission line is only one means of having damaging impulse energy enter your equipment. We strongly recommend power line and telephone line protectors be used on the equipment.

DO NOT CONNECT WHEN A STORM IS NEAR! DO NOT CONNECT WHEN TRANSMISSIONS ARE OCCURRING! DO NOT STAY IN AN AREA THAT HAS OPERATING EQUIPMENT IN AN ELECTRICAL STORM! THE IMPULSE SUPPRESSOR MAY SAVE THE EQUIPMENT FROM DANGER, BUT IT CANNOT KEEP YOU OR ANYONE ELSE SAFE IN THE AREA!
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LIMITED TEN YEAR WARRANTY

PolyPhaser Corporation warrants this product to meet or exceed the published specifications of the time of manufacturing and to be free of manufacturing defects for a ten year period after proven date of purchase. PolyPhaser Corporation makes no claim, nor extends its warranty to include an IMPLIED WARRANTY OF MERCHANTABILITY OR IMPLIED WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE. PolyPhaser Corporation assumes no responsibility for personal injury, property damage, or any other losses. This warranty is limited to the specific replacement or refund of purchase price of the product only and is void if PolyPhaser Corporation's design or technology has improved and is superior to which of the original equipment systems will be taken. PolyPhaser Corporation extends no obligation to simulate or modify any of its existing products as newly developed products are marketed.