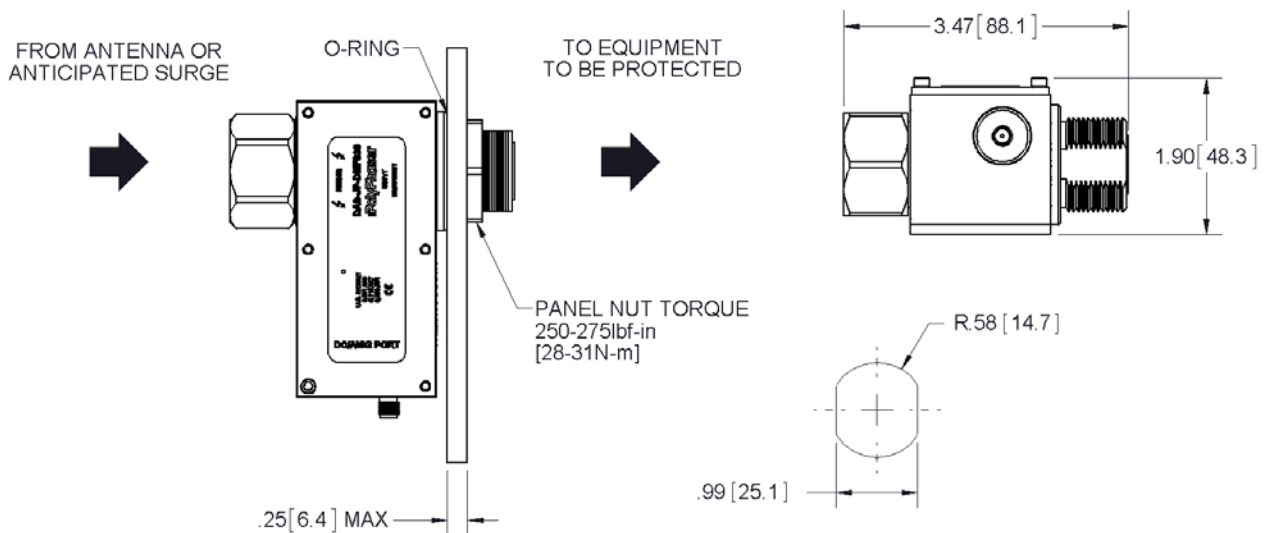


## IMPULSE SUPPRESSOR INSTALLATION DAS-JP-DMFS30

The DAS-JP-DMFS30 is used as a transmit and/or receive unit with dc voltage up to 33Vdc to power up a receive only Preamp generally located near the top of the tower at the antenna. Maximum average RF power use is 1500 watts. Connect this unit in the direction it is labeled. The dc circuit has spike protection to suppress spikes over +33V to the dc Power Supply. This unit is capable of one 30,000 Amp maximum surge and has a frequency range of 698MHz to 1GHz, 1.7GHz to 2.7GHz, and 2.176MHz telemetry (AISG).



**IT IS VERY IMPORTANT THIS UNIT BE GROUNDED TO A LOW IMPEDANCE (LOW R AND LOW L) GROUND SYSTEM IN ORDER TO WORK PROPERLY.** When attaching grounding stud (M8), use maximum of 88.5 lbf-in. [10 N-m] of torque. "DIN" mating connector torque is 216-240 lbf-in. [24.40-27.12 N-m]. 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" [2.03.2mm] 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.

**WARNING-** Do not connect during a storm! Do not connect when transmissions are occurring! Do not stay in an area that has operating equipment in an electrical storm!

*These commodities or technology are exported from the U.S. in accordance with the Export Administration Regulations. Diversion contrary to U.S. law prohibited.*