

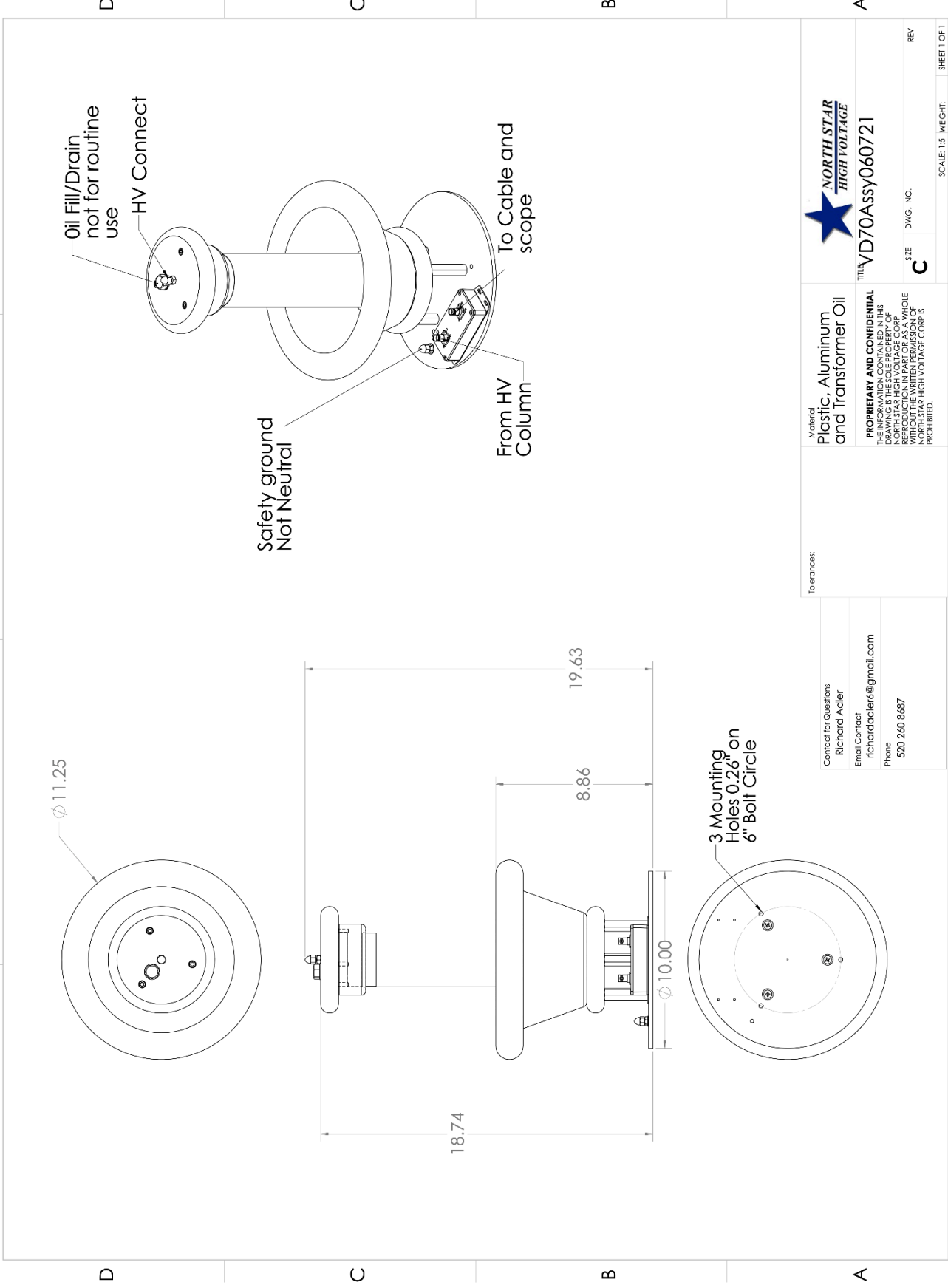
VD-70

The VD-70 is our lower voltage VD series high voltage probe. This unit is designed for floor (or table) mounted use, and for 24/7 use. Our VD technology offers DC measurement with with an extremely low voltage coefficient of resistance. The VD technology also offers “state of the art” bandwidth – 25 Mhz in the case of the VD-70. All capacitors are temperature, frequency, and voltage stabilized for the best possible performance. The probes all have field defining toroids as a standard item in order to minimize the proximity effect (stray capacitance) and maximize the reproducibility of the measurement. The high and low frequency calibrations are carefully matched before shipment. Very high frequency cable effects are also carefully compensated so accurate measurements can be made for short pulses. No adjustments are necessary once the probes have been factory calibrated.



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|---------------------------------|----------|
| Max DC/Pulsed V (kV) | 70/115 |
| Max Frequency (Mhz.) | 25 |
| Nom Pulse Risetime(ns) | 14 |
| Cable Length (ft.) | 30 |
| DC accuracy | <0.1 % |
| 2 Hz. - 1 Mhz. Accuracy | 1 % |
| >1 Mhz Accuracy | 3 % |
| Resistance (Megohms) | 1000 |
| Height (inches/cm.) | 20/50 |
| Diameter (in/cm.) | 11/28 |
| Capacitance (approx. pf) | 23 |
| Base Diameter(in/cm.) | 10/25 |
| Standard Divider Ratio | 10,000:1 |

1 2 3 4



D C B A

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| <p>Material: Plastic, Aluminum and Transformer Oil</p> <p>PROPRIETARY AND CONFIDENTIAL DRAWING IS THE SOLE PROPERTY OF NORTH STAR HIGH VOLTAGE CORP. REPRODUCTION OR TRANSMISSION OF THIS DRAWING WITHOUT WRITTEN PERMISSION OF NORTH STAR HIGH VOLTAGE CORP IS PROHIBITED.</p> | | <p>NORTH STAR HIGH VOLTAGE</p> <p>Part No. VD70Assy060721</p> | |
| <p>Contact for Questions Richard Adler Email: richardadler@gmail.com Phone: 520.260.8687</p> | | <p>Tolerances:</p> | |
| <p>Scale: 1:1.5</p> | | <p>Weight:</p> | |
| <p>Sheet 1 of 1</p> | | <p>Rev: C</p> | |

1 2 3 4