



## Hiper-Con Series

- **Highest power FPD applications**
- **Compact and rugged**
- **Enhanced water cooling**
- **Long lifetime of bellows and drive system**

Designed for highest power FPD applications over 50kW – High voltage and highest current capabilities – Enhanced water cooling system allows industry water with pressure up to 6 bars – Typical frequency range between 2 MHz and 40 MHz – Standardized mounting flanges – Long bellows lifetime – Improved drive system with lead-screw-coating 2003 for long lifetime over 1 Mio cycles – Mostly used in the semiconductor industry, especially in the display technology.

### Capacitance / Voltage

- **2500 pF / 15 kV**
- **2000 pF / 15 kV**
- **1500 pF / 15 kV**
- **1000 pF / 20 kV**
- **500 pF / 40 kV**
- **350 pF / 40 kV**

### Features:

|                             |                          |
|-----------------------------|--------------------------|
| <b>Capacitance</b> (Cmax)   | <b>350 pF to 2500 pF</b> |
| <b>Voltage</b> (peak test)  | <b>15 kV to 40 kV</b>    |
| <b>Current</b> (rms max)    | <b>300 A</b>             |
| <b>Diameter</b>             | <b>127.8 mm</b>          |
| <b>Overall length</b>       | <b>255 mm</b>            |
| <b>Inductance</b> (at Cmax) | <b>≤ 15 nH</b>           |

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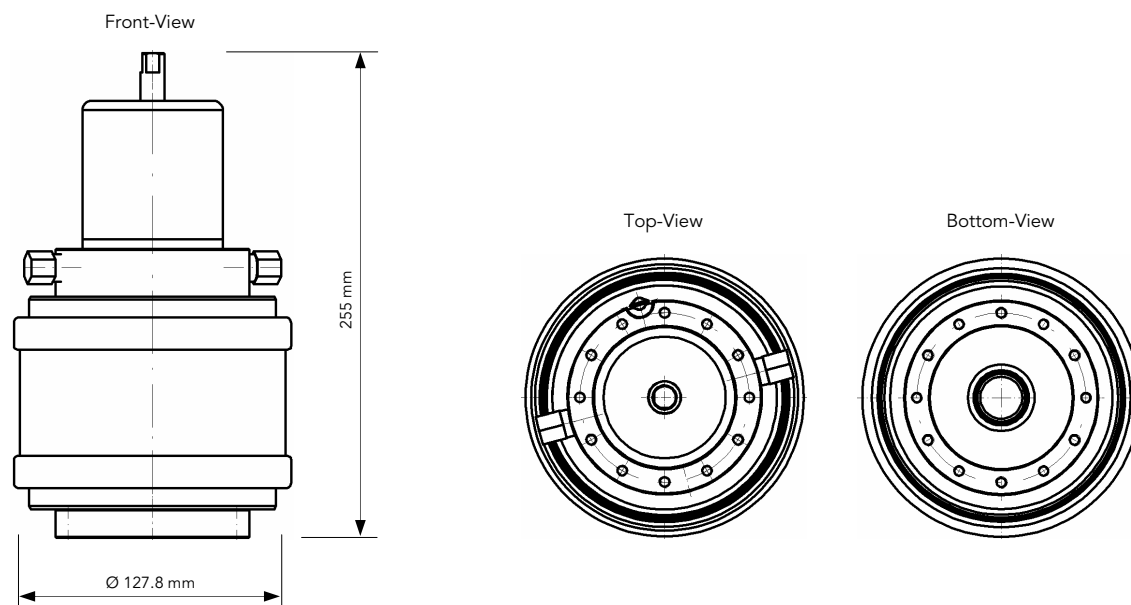
## Water Cooling

|            | Electrical Parameters  |                        |                                      |                                                   |                                   |
|------------|------------------------|------------------------|--------------------------------------|---------------------------------------------------|-----------------------------------|
| Block      | C <sub>min</sub><br>pF | C <sub>max</sub><br>pF | V <sub>max</sub><br>kV <sub>pt</sub> | I <sub>max</sub> at 13.56 MHz<br>A <sub>rms</sub> | Inductance<br>at C <sub>max</sub> |
| CVHI-350A  | 20                     | 350                    | 40                                   | 300                                               | Typical Value<br>≤ 15 nH          |
| CVHI-500A  | 50                     | 500                    | 40                                   | 300                                               |                                   |
| CVHI-1000A | 100                    | 1000                   | 20                                   | 300                                               |                                   |
| CVHI-1500A | 150                    | 1500                   | 15                                   | 300                                               |                                   |
| CVHI-2000A | 200                    | 2000                   | 15                                   | 300                                               |                                   |
| CVHI-2500A | 200                    | 2500                   | 15                                   | 300                                               |                                   |



## Outline Drawings

### Water Cooling



The information in this catalogue are not be used for design purposes. For detailed information refer to the individual data sheet, available on our website [www.comet.ch](http://www.comet.ch) or from your local representative.

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