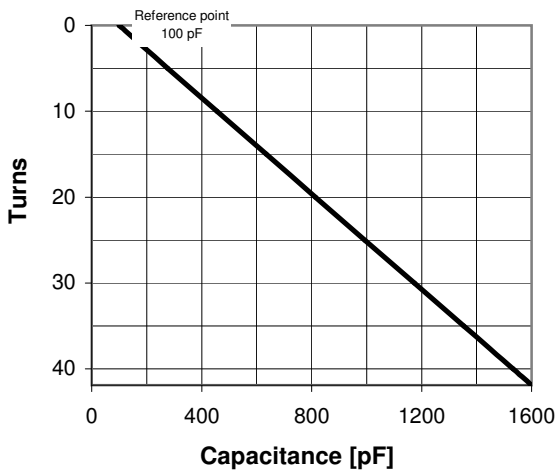


CVLA-1600BW/40-AAE-HN

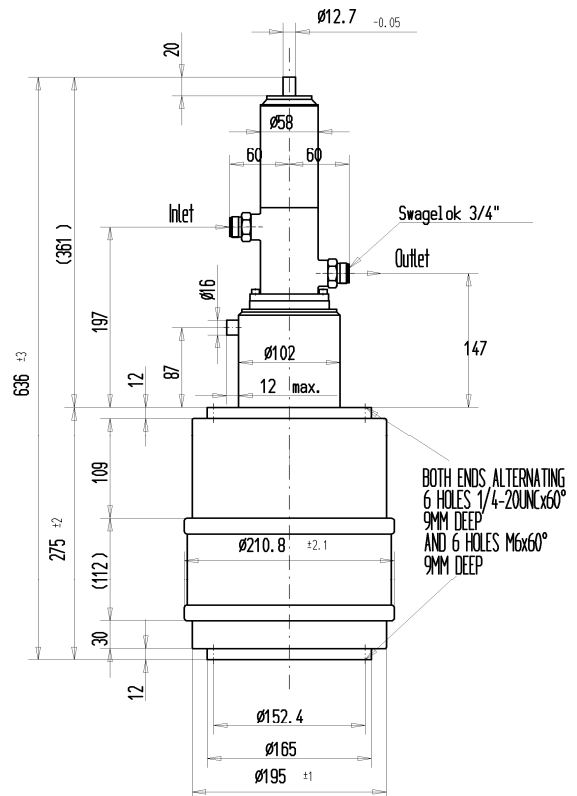
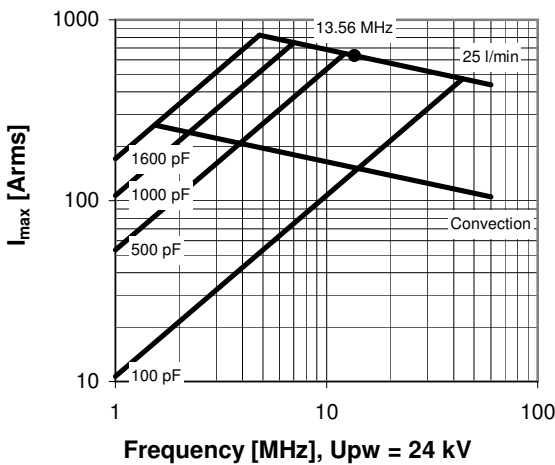
Old Type Designation: CV3W-1600E

Specifications

| | |
|---|---------------|
| Capacity C_{max} (nominal) | 1600 pF |
| Capacity C_{min} (nominal) | 100 pF |
| Voltage (Peak Test U_{pt} / Peak Working U_{pw}) | 40 kV / 24 kV |
| Capacity Tolerance (linear Range) | 2% |
| Max. Current I_{max} at 13.56 MHz with | 633 Arms |
| Water Cooling | 25 l/min |
| Self Inductance | ≤ 36 nH |
| Capacitance per turn | 35.8 pF/turn |
| Torque | ≤ 1.5 Nm |
| Net Weight | 22 kg |



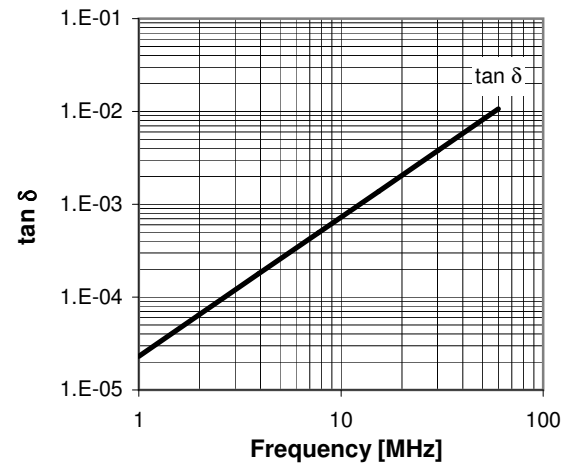
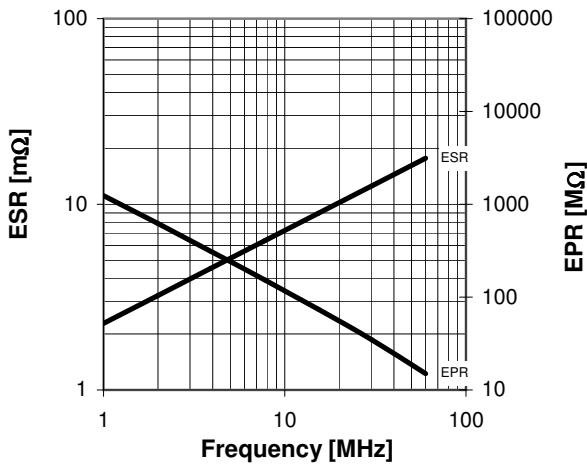
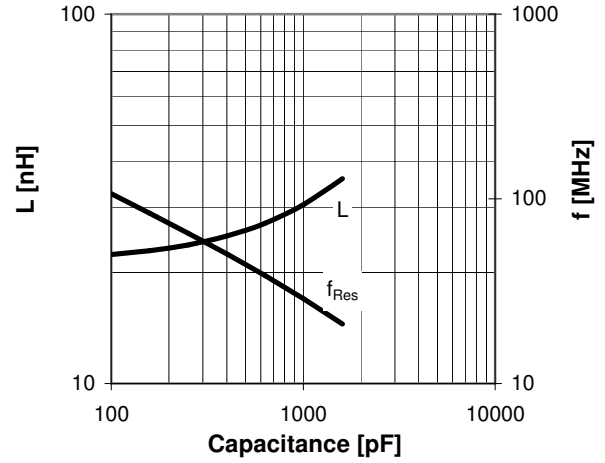
I_{max} for 25 l/min water cooling; max. water temp. at inlet: 70°C;
fixed end has to be cooled with min. 50 W



| Turns | Nominal Capacitance [pF] | Tolerance |
|-------|--------------------------|-----------|
| 0.0 | 100.0 | 0% |
| 5.0 | 276.1 | 2% |
| 10.0 | 455.4 | 2% |
| 15.0 | 634.8 | 2% |
| 20.0 | 814.3 | 2% |
| 25.0 | 993.8 | 2% |
| 30.0 | 1173.3 | 2% |
| 35.0 | 1352.7 | 2% |
| 40.0 | 1532.2 | 2% |
| 41.9 | 1600.0 | 2% |

Mechanical stop at < 100 pF at ~ -1.5 turns
Mechanical stop at > 1600 pF at ~ 42.2 turns

Self inductance and resonance frequency



Special Features:

Special C-Curve / Special Capacity Tolerance,
Turbulence Cooling