



**电子元器件系列**(中国.厦门) China.Xiamen  
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# Basic-Con Series

| Type          | Electrical Parameters  |                        |                                      |                                                      | Dimensions     |                 |                 |      | Drive System                                    |                   |                   |                                |                                                               |                            | Mounting                                  |                                  |
|---------------|------------------------|------------------------|--------------------------------------|------------------------------------------------------|----------------|-----------------|-----------------|------|-------------------------------------------------|-------------------|-------------------|--------------------------------|---------------------------------------------------------------|----------------------------|-------------------------------------------|----------------------------------|
|               | 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<br>13.56 MHz<br>A <sub>rms</sub> | D<br>mm (inch) | L1<br>mm (inch) | L2<br>mm (inch) | Fig. | Tuning<br>Method                                | Head/Rod<br>Shape | Dim.<br>mm (inch) | Max<br>Torque or<br>Pull Force | C-range<br>C <sub>min</sub> -C <sub>max</sub><br>Turns/Stroke | Slope*<br>pF/turn<br>pF/mm | Fixed Side                                | Variable Side                    |
| CV03C-1400H/3 | 8                      | 1400                   | 3                                    | 58                                                   | 54.00 (2.13)   | 148.40 (5.84)   | 97.40 (3.83)    | 1    | Screw Drive                                     | RFFS              | 6.35 (0.25)       | 0.15 Nm                        | 18.4 turns                                                    | 73.71                      | IF 3xM4 on 38 mm dia                      | MF 3xholes 4.4 mm on 52.3 mm dia |
| CV05C-500N/5  | 5                      | 500                    | 5                                    | 49                                                   | 54.00 (2.13)   | 147.50 (5.81)   | 97.00 (3.82)    | 2    | Screw Drive                                     | RS                | 6.35 (0.25)       | 0.15 Nm                        | 16.3 turns                                                    | 29.08                      | FM 20.5 mm dia                            | MF 3xholes 4.5 mm on 52.3 mm dia |
| CV05C-500W/8  | 5                      | 500                    | 8                                    | 49                                                   | 54.00 (2.13)   | 148.30 (5.84)   | 97.30 (3.83)    | 1    | Screw Drive                                     | RFFS              | 6.35 (0.25)       | 0.15 Nm                        | 16.3 turns                                                    | 29.08                      | IF 3xM4 on 38 mm dia                      | MF 3xM4 on 52.3 mm dia           |
| CV05C-500X/5  | 5                      | 500                    | 5                                    | 49                                                   | 54.00 (2.13)   | 145.10 (5.71)   | 97.10 (3.82)    | 1    | Screw Drive                                     | RFFS              | 5.00 (0.20)       | 0.15 Nm                        | 16.3 turns                                                    | 29.08                      | IF 3xM4 on 38 mm dia                      | MF 3xM4 on 38 mm dia             |
| CV05C-500Y/5  | 5                      | 500                    | 5                                    | 57                                                   | 54.00 (2.13)   | 147.60 (5.81)   | 97.10 (3.82)    | 1    | Screw Drive                                     | RFFS              | 6.35 (0.25)       | 0.20 Nm                        | 11.1 turns                                                    | 42.71                      | IF 3xholes 4.8 mm on 38 mm dia            | MF 3xholes 4.5 mm on 52.3 mm dia |
| CV05C-650S/5  | 5                      | 650                    | 5                                    | 57                                                   | 54.00 (2.13)   | 148.30 (5.84)   | 97.30 (3.83)    | 1    | Screw Drive                                     | RFFS              | 6.35 (0.25)       | 0.15 Nm                        | 16.1 turns                                                    | 38.31                      | IF 3xM4 on 38 mm dia                      | MF 3xM4 on 52.3 mm dia           |
| CV05C-1000S/5 | 50                     | 1000                   | 5                                    | 57                                                   | 54.00 (2.13)   | 147.60 (5.81)   | 97.10 (3.82)    | 1    | Screw Drive                                     | RFFS              | 6.35 (0.25)       | 0.15 Nm                        | 20.3 turns                                                    | 45.57                      | IF 3xM4 on 38 mm dia                      | MF 3xM4 on 52.3 mm dia           |
| CV1C-170F/15  | 5                      | 170                    | 15                                   | 57                                                   | 54.00 (2.13)   | 149.00 (5.87)   | 98.50 (3.88)    | 1    | Screw Drive                                     | RFFS              | 6.35 (0.25)       | 0.15 Nm                        | 18.5 turns                                                    | 8.90                       | IF 3xM4 on 38 mm dia                      | MF 3xM4 on 52.3 mm dia           |
| CV1C-250J/15  | 5                      | 250                    | 15                                   | 57                                                   | 54.00 (2.13)   | 148.30 (5.84)   | 97.30 (3.83)    | 1    | Screw Drive                                     | RFFS              | 6.35 (0.25)       | 0.15 Nm                        | 16.3 turns                                                    | 14.01                      | IF 3xM4 on 38 mm dia                      | MF 3xM4 on 52.3 mm dia           |
| CV1C-250JP/15 | 5                      | 250                    | 15                                   | 57                                                   | 54.00 (2.13)   | 157.00 (6.18)   | 97.30 (3.83)    | 3    | Linear Drive                                    | T                 | M6                | 150 N                          | 16.3 mm                                                       | 14.01                      | IF 3xM4 on 38 mm dia                      | MF 3xM4 on 52.3 mm dia           |
|               |                        |                        |                                      |                                                      |                |                 |                 |      |                                                 |                   |                   |                                |                                                               |                            |                                           |                                  |
|               |                        |                        |                                      |                                                      |                |                 |                 |      | R = Round<br>F = Flat<br>S = Slot<br>T = Thread |                   |                   |                                |                                                               | *linear<br>range           | FM = Flange Mount<br>IF = Integral Flange | MF = Mounting Flange             |

Figure 1

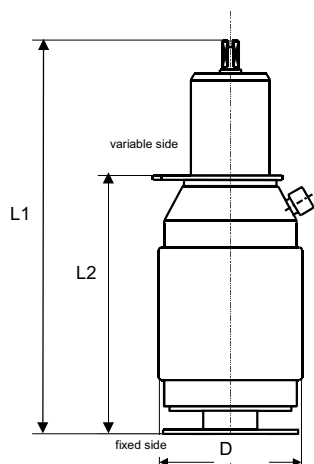


Figure 2

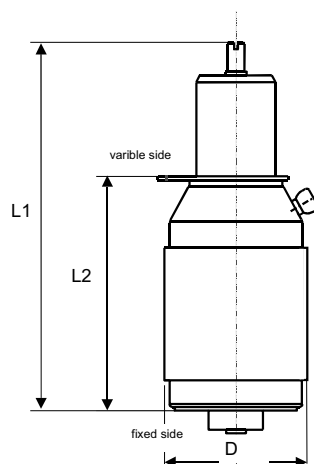
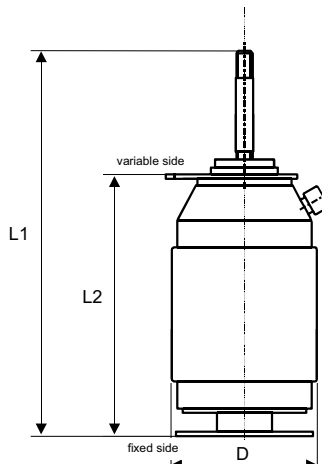


Figure 3



## Further Series Members:

|                |                 |                |                |
|----------------|-----------------|----------------|----------------|
| CV03C-1000E/3  | CV05C-500WO/8   | CV05C-1000ZH/5 | CV1C-170G/15   |
| CV03C-1400HN/3 | CV05C-500XE/5   | CV1C-170E/15   | CV1C-170GIH/15 |
| CV05C-500D/7   | CV05C-500XH/5   | CV1C-170FA/15  | CV1C-250JE/15  |
| CV05C-500P/5   | CV05C-1000SA/5  | CV1C-170FIH/15 | CV1C-250JIH/15 |
| CV05C-500S/5   | CV05C-1000SIH/5 | CV1C-170FO/15  | CV1C-250JN/15  |

The information above is not to 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.