

Special Features

- High voltage and current ratings
- Compact size
- Robust construction
- Flexible mounting configuration
- Lifetime warranty

Applications

The Jennings MaxCap™ family of fixed capacitors offers a unique solution for design engineers seeking a quality, small-sized capacitor with high current and high voltage characteristics.

The robust MaxCap™ is produced with the highest quality, oxygen-free copper, non-porous ceramic insulators, and other high purity materials. Our unique construction utilizes a one piece braze technique under high vacuum, enabling the MaxCap™ to reach very high voltage capability — up to 15 kV peak test — considering its comparatively small size. The sturdy construction offers high RF current capability with simple convection cooling, while maintaining very low electrical losses (see the reverse side for current values).

Included with each MaxCap™ capacitor is the special *Jennings Mounting System*, which allows for maximum surface interface and thermal conductivity. This is especially important in RF applications to reduce the possibility of hot spots or high reflected power.



The MaxCap™ fixed capacitors are particularly well suited for applications in RF tuning circuits for semiconductor processing equipment, induction and dielectric heating, medical imaging, and communications applications. Its small size, high performance, and competitive pricing make this versatile capacitor the perfect choice for any application requiring the combination of high voltage, high current and small size.

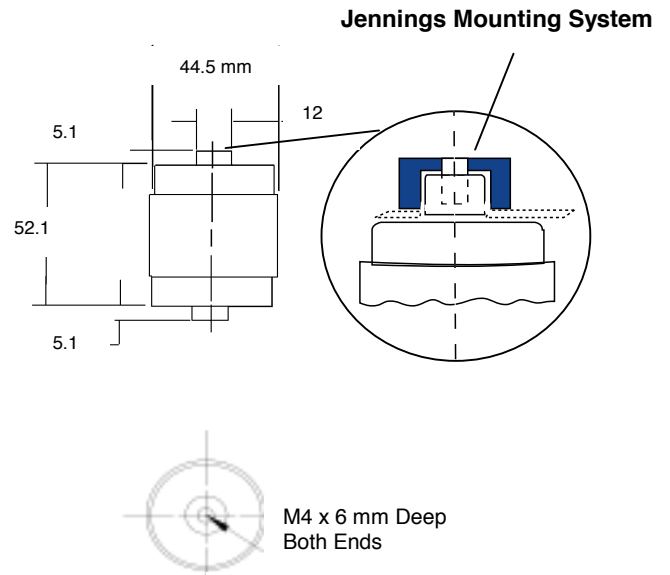
Lifetime Warranty

Jennings Technology stands by the quality and workmanship of our products by proudly offering an industry only lifetime warranty with the new MaxCap™ capacitor. Under the terms of the warranty, units determined by Jennings to be defective within the lifetime of the unit will be repaired or replaced, including free return shipment. Additional product and warranty details are available for your convenience on our website. Please visit us at <http://www.jenningstech.com>.

Product Specifications

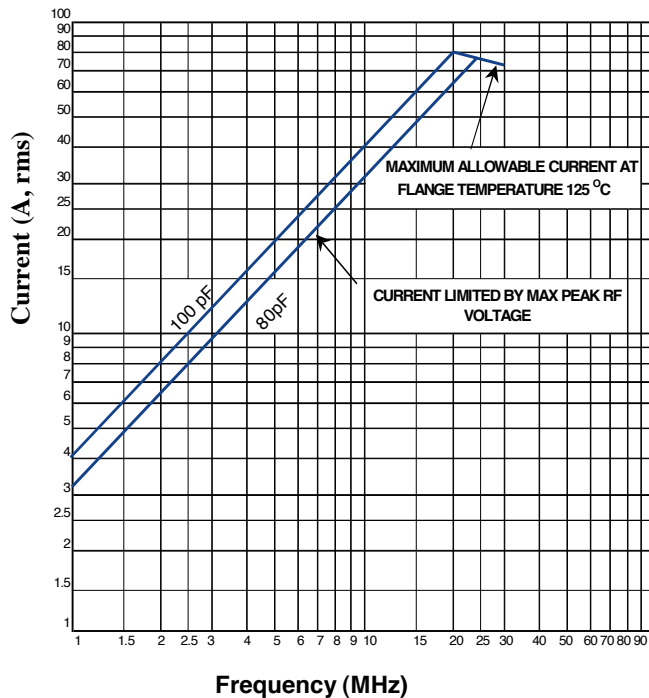
Model Number	CF1-80-0015	CF1-100-0015	CF1-120-0010	CF1-150-0010	CF1-210-0009
Capacitance (pF) $\pm 5\%$	80	100	120	150	210
Peak Working Voltage (kV)	9	9	6	6	5.4
Peak Testing Voltage (kV)	15	15	10	10	9
Max Current (A, rms)	76	80	71	75	76
Length inches (mm)	2.45 (62.3)	2.45 (62.3)	2.45 (62.3)	2.45 (62.3)	2.45 (62.3)
Diameter inches (mm)	1.75 (44.5)	1.75 (44.5)	1.75 (44.5)	1.75 (44.5)	1.75 (44.5)

Outline Drawing

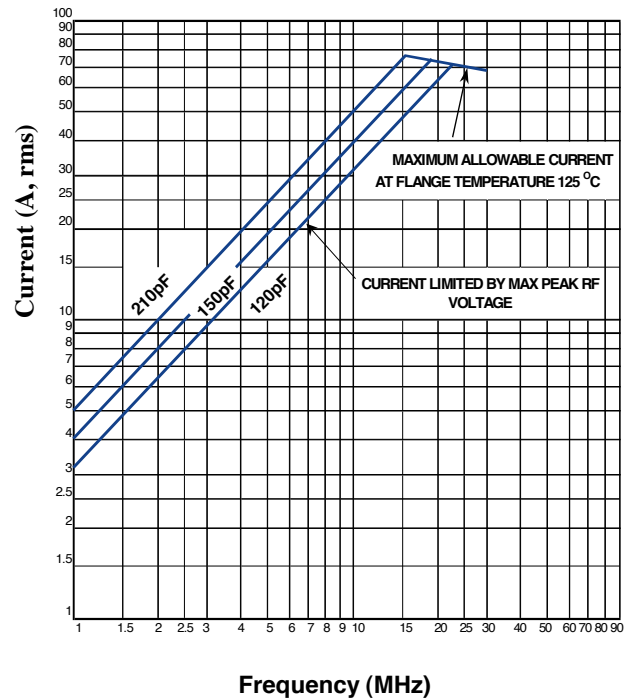


Note: Not drawn to scale

RF Test Data



CONTINUOUS CURRENT VS. FREQUENCY
@ 9kV PEAK RF WORKING VOLTAGE FOR
80 & 100 pF UNITS



CONTINUOUS CURRENT VS. FREQUENCY
@ 6kV PEAK RF WORKING VOLTAGE for 120 & 150 pF UNITS
@ 5.4kV PEAK RF WORKING VOLTAGE for 210 pF UNITS