

**The Jennings PV5 – 1000 Capacitor features:**

- Compact, Rugged Housing
- High Resistance to Shock and Vibration
- Low Torque Drive Mechanism
- High Current
- High Cycle Life
- 3 Year Warranty



*Fig. 1 PV5 - 1000*

**Applications**

The PV5 – 1000 is one of the latest innovations to emerge from Jennings Technology and sets a new standard for vacuum variable capacitors.

With a compact and robust design, the PV5 capacitor allows for superior resistance against shock and vibration.\*

In addition, the PV5 - 1000 was designed as a highly reliable product, capable of withstanding over 2.5 million life cycles.

Its high current capability makes it ideally suited for semiconductor capital equipment applications; especially those targeted at the 300mm wafer fab segment. Optimized for electrical and thermal characteristics, the PV 5 is the highest current vacuum capacitor available in this size of envelope. (Rating at 180 (A,rms) @ 13.56 MHz.)

\* Data is available upon request. Please contact Jennings' Sales Department for test reports.

**Quality Assurance and Warranty**

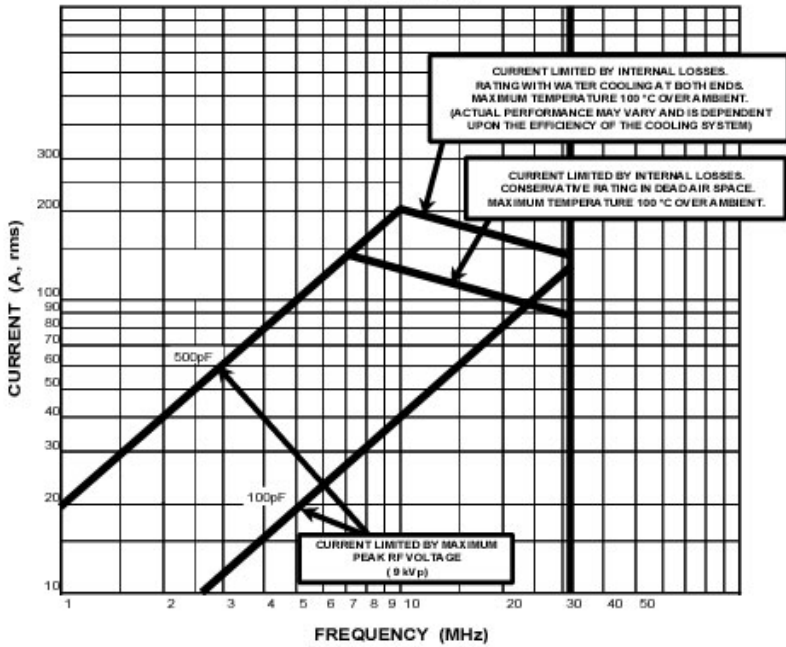
Jennings Technology is currently a worldwide leader in high power vacuum technology, and has been for over five decades.

Jennings continues to deliver technical solutions for the Semiconductor, Broadcast, Airborne, Industrial Heating, and Medical industries, through superior quality, commitment to customer satisfaction, and new product development.

In addition, Jennings offers a three-year warranty on all capacitors and relay products. Additional product and warranty information is available on our web site.

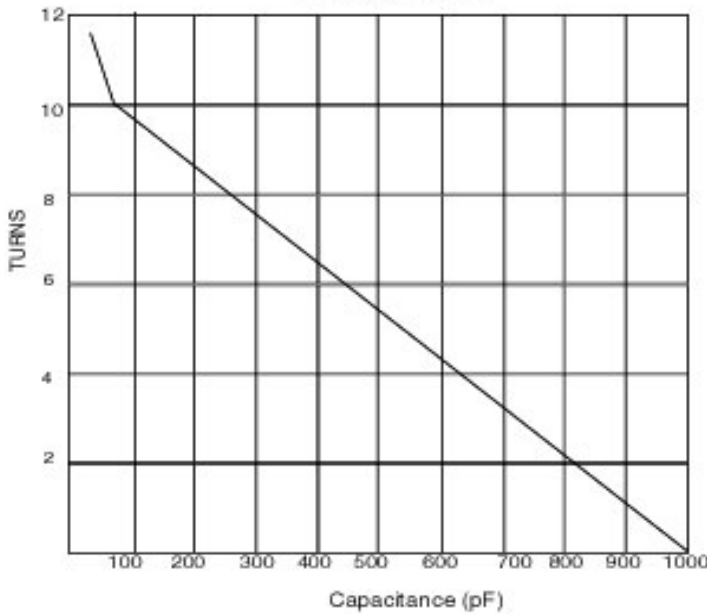
Please visit us at [www.jenningstech.com](http://www.jenningstech.com).

**TYPICAL DATA**



**CONTINUOUS CURRENT VS FREQUENCY UNDER RF POWER**

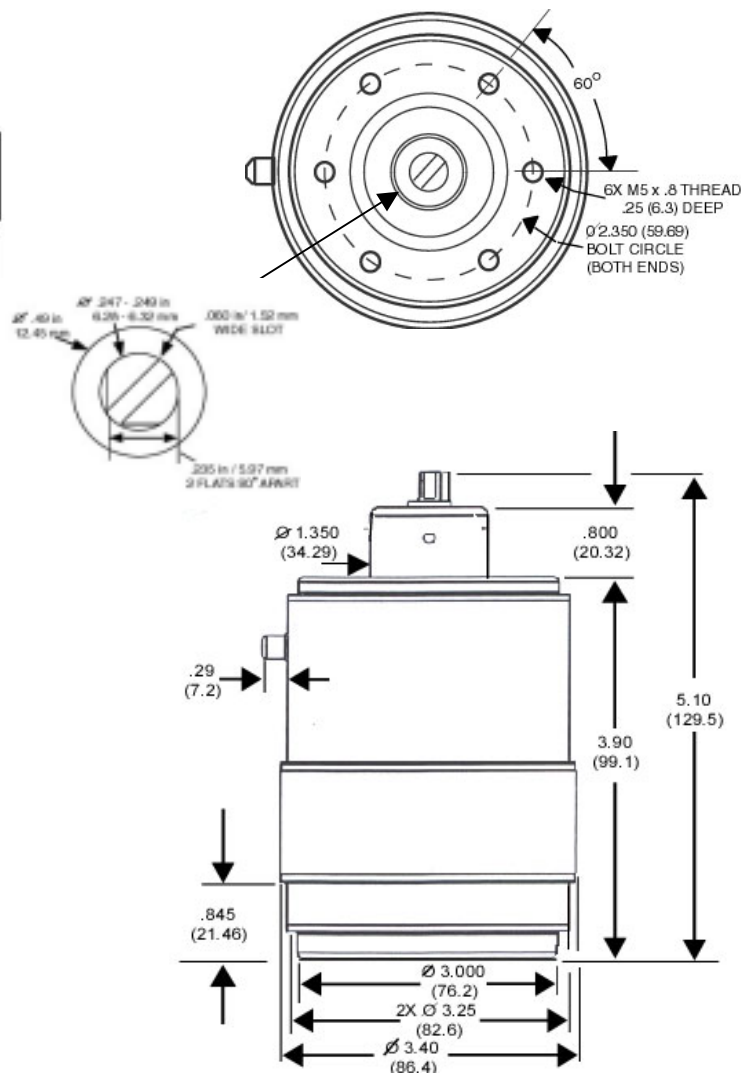
**CAPACITANCE VS. TURNS**  
1/4 - 20 LEAD SCREW  
PV5-1000-05D3111



DIMENSIONS ARE IN INCHES (METRIC).

\*COOLING FLANGE AVAILABLE. (PLEASE SEE FMWPV TECHNICAL DATASHEET)

\*\*DATA SHOWN IS FOR REFERENCE ONLY AND IS SUBJECT TO DESIGN CHANGES. FOR DESIGN PURPOSES, PLEASE CONTACT JENNINGS FOR SPECIFIC OUTLINE DRAWINGS



**Product Specifications**

Model Number	PV5-1000
Min Capacitance (pF)	50
Max Capacitance (pF)	1000
Peak Working Voltage (kV)	3
Peak Testing Voltage (kV)	5
Max Current @ 13.56 MHz(A, rms)	180
Length (inches / mm)	5.10 / 129.5
Diameter inches (inches / mm)	3.40 / 86.4
Max Torque (oz-in.)	33
Weight (lbs./ oz.)	4.6 lbs.