

The Jennings PV4 Family Capacitor features:

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

Applications

The PV4 Family 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 PV series capacitor allows for superior resistance against shock and vibration.*

In addition, the PV4 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 4 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.



Fig. 1 PV4 Model

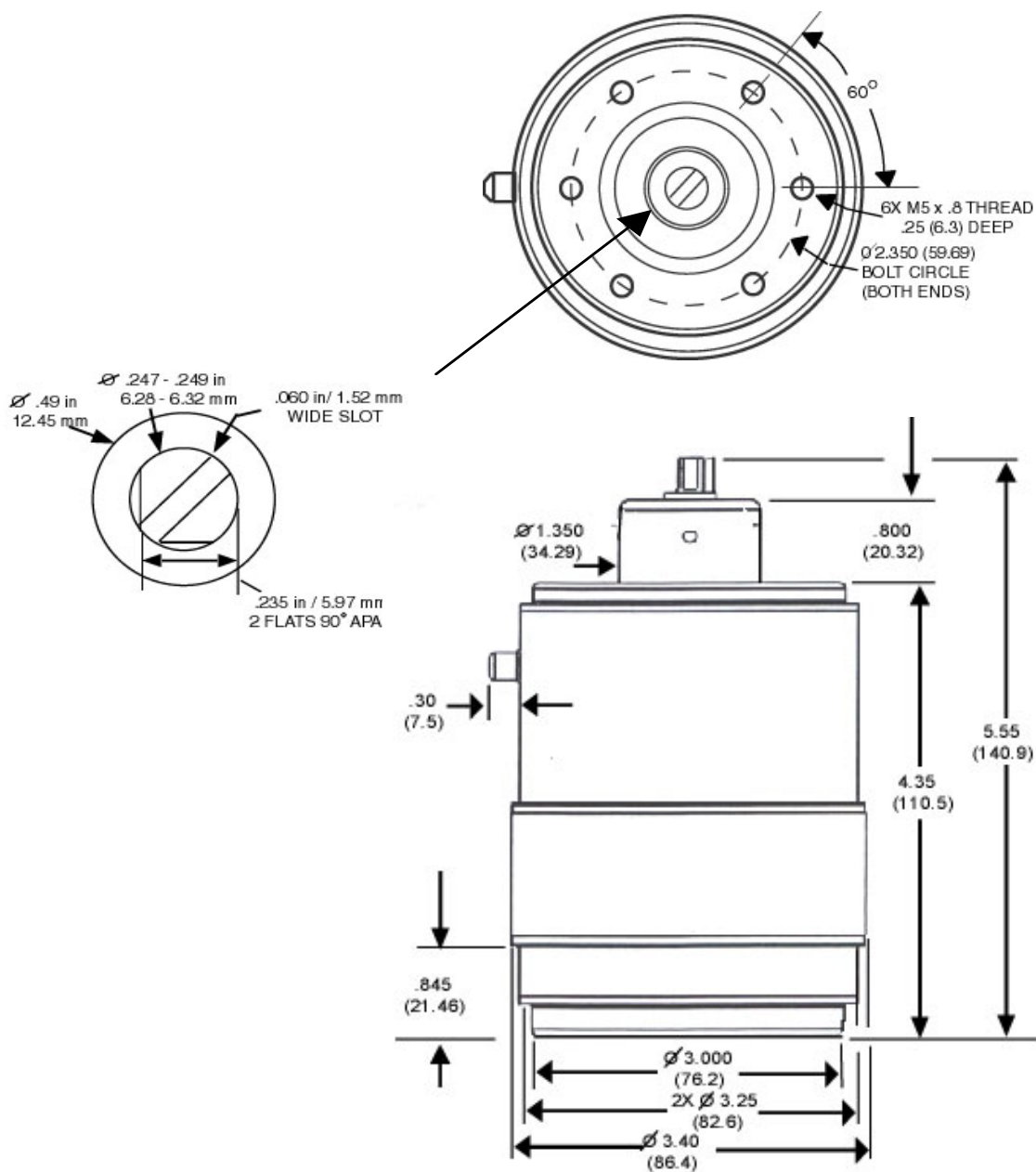
Quality Assurance and Warranty

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.

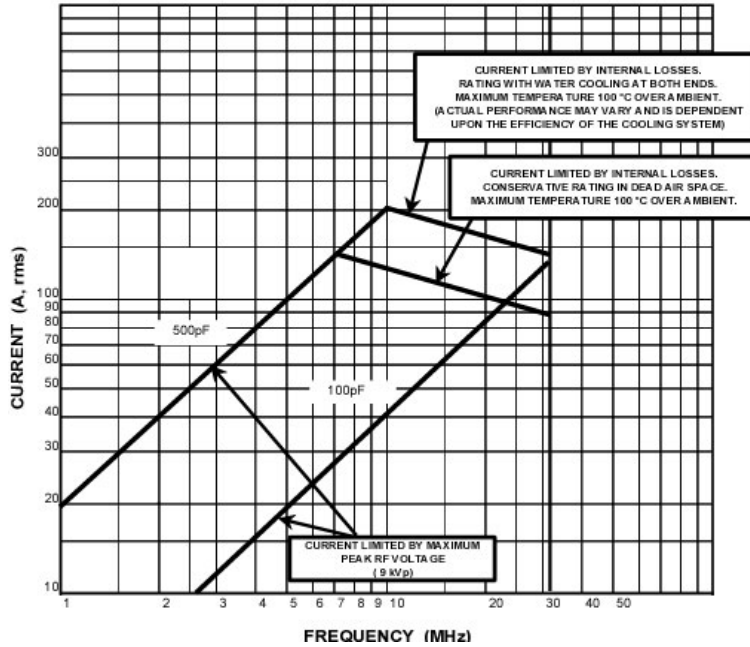


Product Specifications

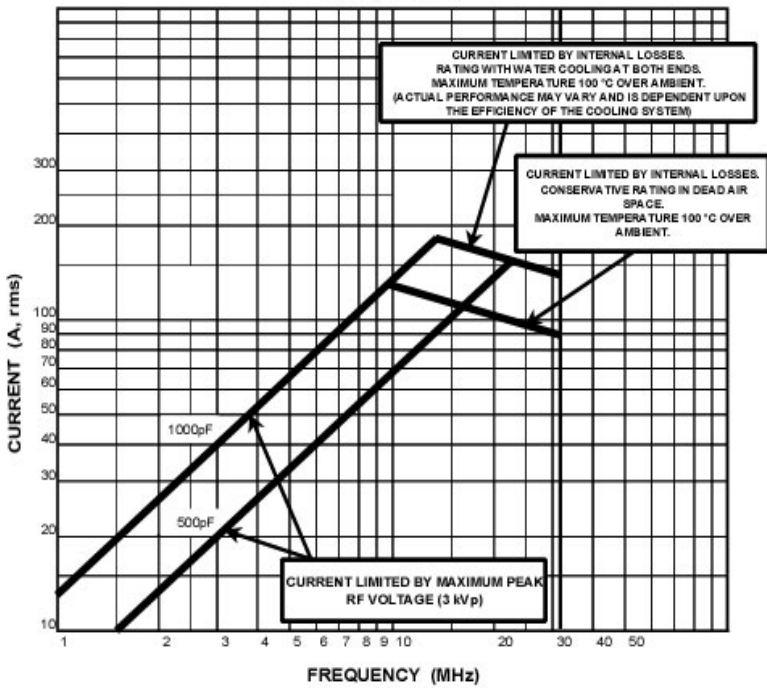
Model Number	PV4-500	PV4-1000	PV4-2000
Max Capacitance (pF)	500	1000	2000
Peak Working Voltage (kV)	9	3	3
Peak Testing Voltage (kV)	15	5	5
Max Current @ 13.56 MHz (A, rms)	180	180	180
Length (in/mm)	5.55/140.9	5.55/140.9	5.55/140.9
Diameter (in/mm)	3.40/86.4	3.40/86.4	3.40/86.4
Max Torque (oz-in.)	33	33	33

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.

TYPICAL DATA

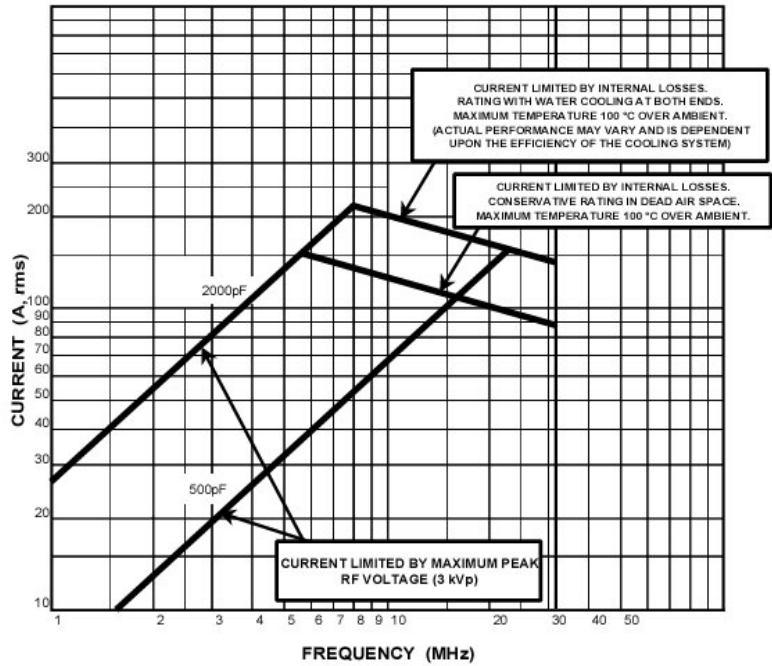


TYPICAL DATA



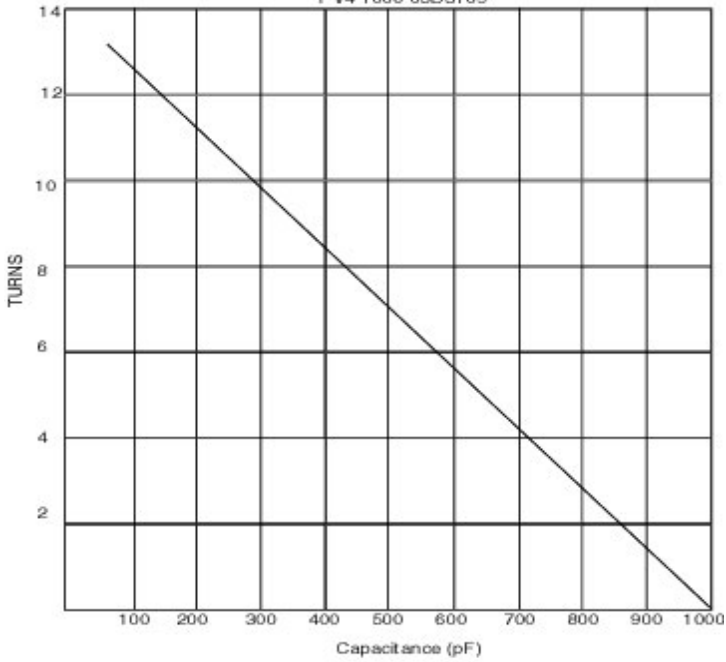
CONTINUOUS CURRENT VS FREQUENCY UNDER RF POWER

TYPICAL DATA

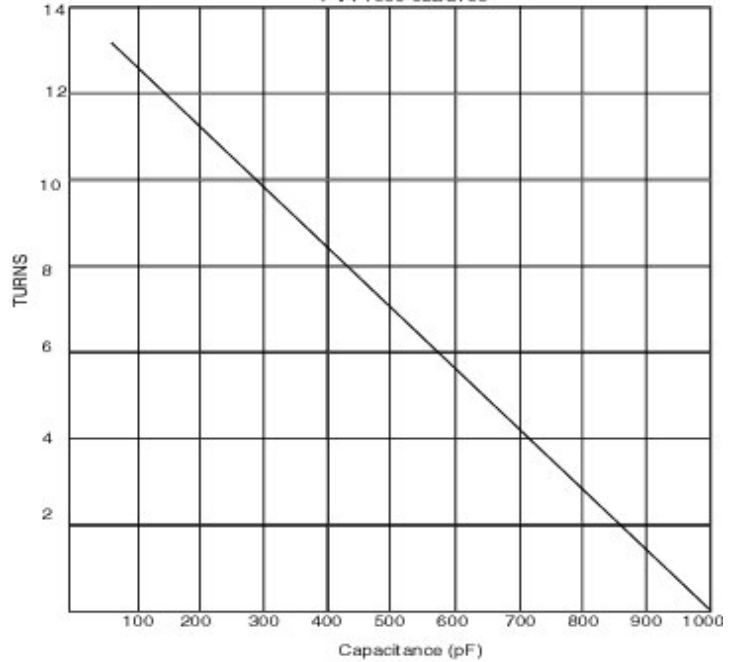


CONTINUOUS CURRENT VS FREQUENCY UNDER RF POWER

CAPACITANCE VS. TURNS
1/4 - 20 LEAD SCREW
PV4-1000-05D31 09



CAPACITANCE VS. TURNS
1/4 - 20 LEAD SCREW
PV4-1000-05D31 09



CAPACITANCE VS TURNS
1/4-20 LEAD SCREW
PV4-2000-05D3110

