WYP-8291A Wystron



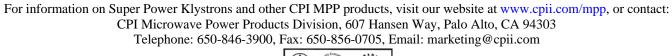
CPI Microwave Power Products (MPP) offers klystrons for particle accelerator applications. The VKP-8291A is an 805 MHz, 550 kW peak, 50 kW average long-pulse klystron for the US Department of Energy Spallation Neutron Source Project

Key Features

- Cathode-pulsed Electron gun
- 6-cavity rf circuit, including one 2nd harmonic cavity for enhanced efficiency
- Single output window
- · Collector capable of dissipating the entire beam power

Typical Operating Parameters		
Peak Power Output Average Output Power Peak Beam Voltage Peak Beam Current Frequency Duty RF Pulse width -1dB Bandwidth Saturated Gain Efficiency Collector Coolant Flow Body /Magnet Coolant Flow	560 50 75 11.2 805 9% 1.50 ± 2 51 67% 35 / 130 5 / 20	kWatts kWatts kV A MHz msec MHz dB gpm / I/m gpm / I/m
Electromagnet: Gun Coil Current Gun Coil Voltage Main Coil Current Main Coil Voltage	16 3 28 80	A V A V
Size with Accessories: Height Weight	105 / 267 500 / 1100	inches / cm pounds / kg







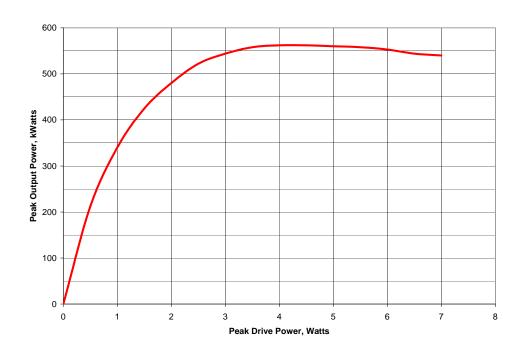
WYP-8291A Mystron



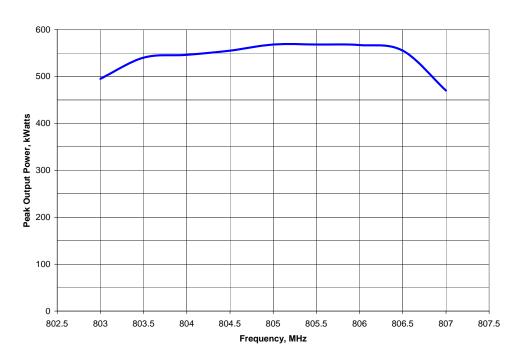
Typical Operating Characteristics

Measured data from S/N 007

Transfer Curve



Frequency Response



For information on Super Power Klystrons and other CPI MPP products, visit our website at www.cpii.com/mpp, or contact: CPI Microwave Power Products Division, 607 Hansen Way, Palo Alto, CA 94303

Telephone: 650-846-3900, Fax: 650-856-0705, Email: marketing@cpii.com

