

## PRODUCT SPECIFICATION SHEET

**MODEL NO:** PC0453-5-9  
**Item:** 700 TO 850 MHz Oscillator  
**DATE:** February 6, 2001

### Electrical Specifications:

<b>Frequency range</b>	<b>700 MHz to 850 MHz</b>
<b>RF Power output</b>	<b>50,000 watts peak nom.</b>
<b>Pulse Duration (max)</b>	<b>.5 to 5 usec</b>
<b>RF Pulse width</b>	<b>.5 <math>\mu</math>sec. to 1.0 <math>\mu</math>sec.</b>
<b>RF Duty cycle</b>	<b>.003 min</b>
<b>DC Plate Volts (max)</b>	<b>6.5 kV</b>
<b>DC Grid Volt (typ)</b>	<b>-185 V</b>
<b>Pulse Positive Grid V (max)</b>	<b>+40 V</b>
<b>Pulse Plate Current (max)</b>	<b>45 A peak</b>
<b>Pulse Grid Current (max)</b>	<b>3.5 A</b>
<b>Filament Voltage</b>	<b>4.5 to 6.5 V</b>
<b>Filament Current (nom)</b>	<b>12 A</b>
<b>Output Protection</b>	<b>Ferrite Isolator</b>
<b>Cooling</b>	<b>Integral Forced Air</b>