

PRODUCT SPECIFICATIONS SHEET

MODEL NO: PC-0453-5-9ER
ITEM NAME: 50 kW Oscillator
REV DATE: January 09, 2009

Frequency (tunable)	700 MHz to 930 MHz.
Peak RF power	50 kW minimum
Pulse width range	0.5 to 1.0 microsecond
RF output rise time	200 nanoseconds
RF output fall time	200 nanoseconds
Harmonics	greater than -40 dBc
Duty cycle	.002, maximum
VSWR	2.5:1 MAX
RF output protection	to be isolator protected by an integral ferrite isolator
Frequency tuning	0.25-inch shaft with two flats (90°)
RF output connector	7/8-EIA
Grid connector	BNC
Grid Input Bias	-185 V
Pulse Amplitude	+60 to +100
Filament voltage	5.0 to 6.0 V @ 11 A nom
Heater Voltage/Current	120 VAC @ .6A
Voltage, current	Adjustable 4500 V to 6000 V @ 40 A peak
Cooling	forced air-cooled, 30-CFM
Tube life	1000 hours or one year, whichever comes first. <i>Replacement of the tube and set up of the cavity is not recommended for field service.</i>

Note: Operational characteristics depend upon grid modulator not supplied.



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