

## PRODUCT SPECIFICATION SHEET

MODEL NO.: PC-0453-5-5, 800-900 MHZ CAVITY  
ITEM: GRID PULSED CAVITY OSCILLATOR  
DATE: AUGUST 12, 1998

FREQUENCY	800-900 MHZ
POWER OUTPUT	40 kW PEAK, MIN.
RF OUTPUT CONNECTOR	TYPE HN
PULSE WIDTH	10 MICROSECONDS, MAX.
FILAMENT VOLTAGE	5.5 VOLTS, 6.5 MAX.
FILAMENT CURRENT	12 AMPERES, MAX.
BIAS VOLTAGE	180 VOLTS MAX, 150 VOLTS MIN.
PLATE VOLTAGE ADJUSTABLE	6 kV MAX., 5500 V FOR 40 kW
PLATE CURRENT	40 AMPERES PEAK, MAX.
GRID CURRENT	2 AMPERES PEAK, MAX.
TEMPERATURE	100° C, MAX.
RF RISE TIME	125 NANOSECONDS, MAX.
RF JITTER	±50 NANOSECONDS, MAX.
RF PULSE FALL TIME	250 NANOSECONDS, MAX.
DUTY CYCLE	.003 MAX. WITH A 10 MICROSECOND PULSE WIDTH
UNIT PROTECTED BY	FERRITE ISOLATOR

THIS UNIT HAS 1/4" SHAFT SINGLE KNOB TUNING CONTROL.