

X-Band 50kW Pulsed Klystron *K250*

K250 is a fixed tuned, X-band pulsed Klystron; designed to operate in the frequency range of 9.7 GHz to 9.8 GHz with a peak output power of 50kW.



Electrical Characteristics

Frequency Range	(MHz)	9700 ~ 9800
Pulse Width (beam)	(us)	2
Pulse Width (RF)	(us)	2
Duty Cycle (RF)		0.005
Beam Voltage	(kV)	36
Beam Current	(A)	6.3
Heater Voltage	(V)	7.5
Heater Current	(A)	2.4
Peak Power Output	(kW)	50
Gain	(dB)	55
Bandwidth(-3dB)	(MHz)	40

Mechanical Characteristics

Weight	12kg
RF Input	UG-39/U
RF Output	UG-39/U
Input	Lead
Cooling	Forced Air
Magnet	Permanent Integral