

X-Band 100kW Pulsed Klystron *K260*

K260 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 100kW.



Electrical Characteristics

Frequency Range	(MHz)	9700 ~ 9800
Pulse Width (beam)	(us)	6
Pulse Width (RF)	(us)	4
Duty Cycle (RF)		0.004
Beam Voltage	(kV)	43
Beam Current	(A)	8.4
Heater Voltage	(V)	7.5
Heater Current	(A)	2.4
Peak Power Output	(kW)	100
Gain	(dB)	55
Bandwidth(-1dB)	(MHz)	20

Mechanical Characteristics

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