M1311L

25kW X-Band Magnetron

M1311L is a fixed frequency pulsed type X-band magnetron, designed to operate in the frequency range of 9345 to 9405 MHz with a peak output power of 25 kW. It is waveguide output type and forced air cooled. It is recommended to use our TL393 or TL368A as adequate protector for this magnetron.

---- ELECTRICAL ----

	Min	Typical	Max	Unit
Heater Voltage(Preheat)	5.7	6.3	6.9	V
Heater Voltage(Operation)	-	3.7(NOTE1)	-	V
Preheat time	120	-	-	S
Peak anode voltage	7.5	8.0	8.5	kV
Rate of rise of voltage pulse	-	70	100	kV/μs
Peak anode current	6.0	8.0	10.0	A
Mean anode current	6.0	8.0	10.0	mA
Peak anode input power	-	-	75	kW
Mean anode input power	-	-	85	W
Pulse duration	0.05	1.0	1.0	μs
Duty Cycle	-	-	0.001	-
V.S.W.R at the output coupler	-	1.15	1.5	-
Peak output power	22.5	25	-	kW
Frequency	9345	9375	9405	MHz

(NOTE1) Heater Voltage (Operation)=0.08(110-Pi)
Pi:Mean anode input power

---- MECHANICAL ----

Overall dimensions	SEE outline
Net weight	1.6kg approx
Output coupling	UG-40 B/U

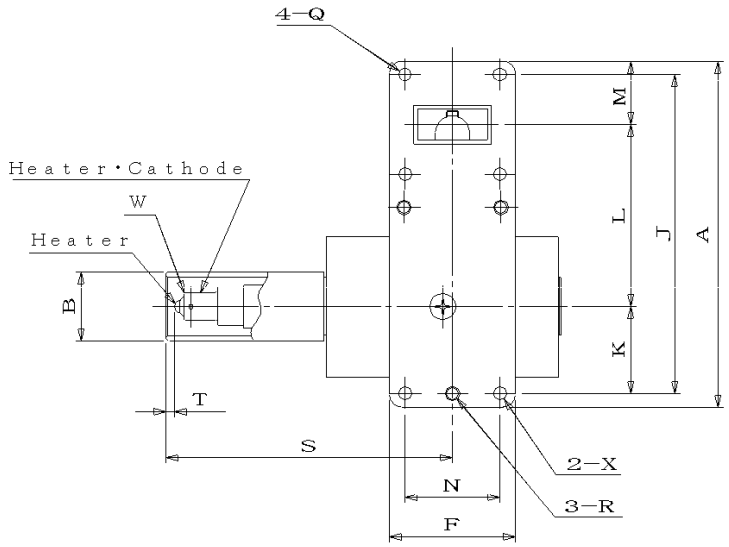
New JRC could be available to customer’s desire for frequency lead and connector. For further information on it and the use of the magnetron please contact New JRC. New JRC reserves the right to change the specification of goods without notice.

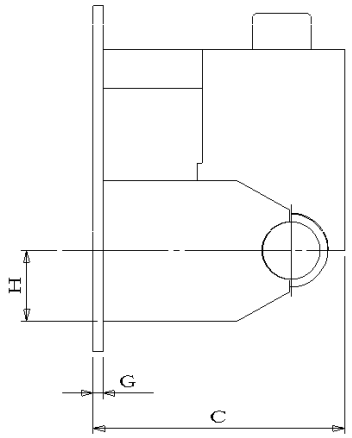
95-12

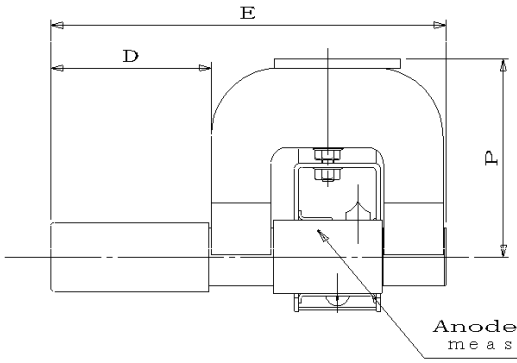
M1311L

OUTLINE

Note: Dimensions are in mm







	Dimensions (mm)	
	Min	Max
A	112.6	113.6
B	———	φ25.4
C	———	84.2
D	(52.5)	
E	———	137.0
F	(41.3)	
G	(3.2)	
H	(23.0)	
**J	103.9	104.5
K	(28.3)	

	Dimensions (mm)	
	Min	Max
L	(59.7)	
M	(20.6)	
**N	30.7	31.3
P	(64.8)	
**Q	φ4.15	φ4.45
**R	#10-32NF-2B	
S	(90.0)	
T	———	6.4
W	BA9S/13	
**X	φ4.25	φ4.55