



Microwave Tubes and Solid-State Microwave Devices

Marine Magnetrons [S-Band]

Type	DATA SHEET PDF	Frequency (MHz)	Peak Power Output (kW typ.)	Pulse Width (μsec)	Duty Ratio	Anode Voltage (kV)	Peak Anode Current (A)	Heater Voltage (V)	Heater Current (A)	Structure	Weight (kg)
M1302/M5020	36KB	3040-3060	25	1	0.001	8	8	6.3 <i>(Note.1)</i>	1.25	FWAPL	2.3
M1302L	78KB	3040-3060	25	1	0.001	8	8	6.3 <i>(Note.1)</i>	1.25	FWAPL	2.3
M1302A	36KB	3040-3060	30	1	0.001	8	8	6.3 <i>(Note.1)</i>	1.25	FWAPL	2.3
M1623		3040-3060	30	1	0.001	8	8	6.3 <i>(Note.1)</i>	1.25	FWAPL	1.7
2J70B	28KB	3025-3075	50	1	0.001	9	16	6.3 <i>(Note.1)</i>	1.25	FCAPS	1.7
M1461		3025-3075	50	1	0.00075	9	16	6.3 <i>(Note.1)</i>	1.25	FWAPL	2.5

(Note.1) Pre-heat Voltage. Heater Voltage must be reduced according to the formula described on the data sheet.

Marine Magnetrons [X-Band]

Type	DATA SHEET PDF	Frequency (MHz)	Peak Power Output (kW typ.)	Pulse Width (μsec)	Duty Ratio	Anode Voltage (kV)	Peak Anode Current (A)	Heater Voltage (V)	Heater Current (A)	Structure	Weight (kg)
M1311L	22KB	9345-9405	25	1	0.001	8	8	6.3 <i>(Note.1)</i>	0.52	FWAPS	1.6
9M72		9380-9440	25	1	0.001	8	8	6.3 <i>(Note.1)</i>	0.52	FWAPS	1.5
9M72/M1454		9380-9440	25	1	0.001	8	8	6.3 <i>(Note.1)</i>	0.52	FWAPS	1.4
M1437(A)	23KB	9380-9440	25	1	0.001	8	8	6.3 <i>(Note.1)</i>	0.52	FWAPS	1.5
M1455		9710-9770	25	1	0.001	8	8	6.3 <i>(Note.1)</i>	0.52	FWAPS	1.5
M1458		9380-9440	25	1	0.001	8	8	6.3 <i>(Note.1)</i>	0.52	FWAPL	1.4
M1458A		9380-9440	25	1	0.001	8	8	6.3 <i>(Note.1)</i>	0.52	FWAPL	0.7
M1636		9380-9440	25	1	0.001	8	8	6.3 <i>(Note.1)</i>	0.52	FWAPL	0.7

Type	DATA SHEET PDF	Frequency (MHz)	Peak Power Output (kW typ.)	Pulse Width (µsec)	Duty Ratio	Anode Voltage (kV)	Peak Anode Current (A)	Heater Voltage (V)	Heater Current (A)	Structure	Weight (kg)
M1475A		9345-9405	25	1	0.001	8	8	6.3 (Note.1)	0.52	FWAPL	0.7
M1568B(J)		9380-9440	25	1	0.001	8	8	6.3 (Note.1)	0.52	FWAPL	0.7
M1569		9710-9770	25	1	0.001	8	8	6.3 (Note.1)	0.52	FWAPL	0.7
M1325L/M5187		9380-9440	25	1	0.001	8	8	6.3 (Note.1)	0.55	FWAPL	1.5
M1517N/M5187F		9380-9440	25	1	0.001	8	8	6.3 (Note.1)	0.52	FWAPL	1.4
2J55	81KB	9345-9405	50	1	0.001	12	12	6.3 (Note.1)	1	FWAPS	1.9
9M31	25KB	9380-9440	50	1	0.001	12	12	6.3 (Note.1)	1	FWAPS	1.9
M1337		9725-9755	50	1	0.001	12	12	6.3 (Note.1)	1	FWAPS	1.9

(Note.1) Pre-heat Voltage. Heater Voltage must be reduced according to the formula described on the data sheet.

Structure:	Tuning	Output	Cooling	Magnet	Input
	F:Fixed	C:Coaxial	A:Forced Air	P:Permanent Integral	S:Socket
	M:Mechanical	W:Waveguide	B:Forced Air & Liquid	S:Separate	L:Lead
		PR:Probe	L:Liquid		