

SUMMARY OF E. M. I. KLYSTRONS AND CAVITIES.

NUMBER	TYPE (Note 1)	TUNER (Note 2)	BASE (Note 3)	FREQUENCY RANGE kMc/s.	AVERAGE CHARACTERISTICS							RATINGS			
					FREQ'Y kMc/s.	V _i Volts	I _a mA	V _o Volts (Note 5)	POWER mW	ΔF Mc/s (Note 6)	V _o Volts Nominal	I _a Amps	V _o Volts Max.	I _a mA Max.	OUTPUT (Note 7)
R9604	Reflex Int. Cav.	Shaft	Octal	36.6-46.1	41.0	2,000	12	-300	60	60	6.3	0.8	2,200	15	WG22
R9555	"	"	"	37.5-43	40	2,000	12	-300	30	60	6.3	0.8	2,200	15	WG22
R9521	"	"	"	35 -40	37.5	2,000	12	-300	40	60	6.3	0.8	2,200	15	WG22
R9546	"	"	"	32 -37.5	35	2,000	12	-300	40	60	6.3	0.8	2,200	15	WG22
R5146, VX5023	"	"	"	34 -36.5	34.7	2,000	10	-300	60	60	6.3	0.8	2,200	12	WG22
R9518	"	"	"	27.8-32.2	30	2,000	12	-300	60	60	6.3	0.8	2,200	15	WG22
R9547	"	"	"	24 -27.8	26	2,000	12	-300	60	60	6.3	0.8	2,200	15	WG22
R9602	"	"	"	22.0-26.0	24.0	2,000	12	-300	60	60	6.3	0.8	2,200	15	WG20
R9621	"	"	"	20.0-24.0	22.0	2,000	12	-300	60	60	6.3	0.8	2,200	15	WG20
R9622	"	"	"	18.0-22.5	20.0	2,000	12	-300	60	60	6.3	0.8	2,200	15	WG20
25182 + R9562	Reflex P. Ext. Cav.	Micro	Special	8.2-11.7	10	350	40	-350	130	20	6.3	0.7 or 1.2	370	55	WG16
25157 + R9525	"	"	"	7.0-10.3	8.5	350	40	-270	200	20	6.3	..	370	55	WG15
25181 + R9561	"	"	"	5.4- 8.2	6.5	350	40	-300	150	20	6.3	..	370	55	WG15
25181A & R9561A	"	"	"	5.0- 5.9	5.5	350	40	-250	50	20	6.3	1.2	370	55	WG12
R5222 CV2346 (Note 4)	Plug-in Reflex	—	..	5 -11.7	Over range	350	40	-50 to -500	30 to 200	—	6.3	0.7	370	55	—
R9561	Modified R5222	To fit wide range cavities type 25181													
R9562	"	To fit wide range cavities type 25182													
R9525	"	To fit wide range cavities type 25157													
R9501	"	Increased ΔF at 9.2 kMc/s in Δ Cavity 4				300	30	-200	35	30	6.3	0.7	370	55	WG16
R9538*	Reflex R. Ext. Cav.	Single Screw	Special	9.1- 9.3	9.2	350	40	-210	60	20	6.3	1.2	370	55	WG16
R9539*	"	"	"	9.3- 9.5	9.4	350	40	-220	60	20	6.3	1.2	370	55	WG16
R9540*	"	"	"	9.5- 9.7	9.6	350	40	-230	60	20	6.3	1.2	370	55	WG16
R9541*	"	"	"	9.7- 9.9	9.8	350	40	-240	60	20	6.3	1.2	370	55	WG16
R9542*	"	"	"	9.9-10.1	10	350	40	-250	60	20	6.3	1.2	370	55	WG16
R9543*	"	"	"	300 Mc/s within 10.1-10.6	10.3	350	40	-260	60	20	6.3	1.2	370	55	WG16
R9544*	"	"	"	300 Mc/s within 10.6-11	10.8	350	40	-300	45	20	6.3	1.2	370	55	WG16
KRN3/1 CV217	Reflex Ext. Cav.	Shaft	Octal	9.55-9.9	9.7	1,350	8	-250	25	25	4.0	1.3	1,550	10	WG16
R9516	Reflex Int. Cav.	"	BBG	7.05-7.3	7.2	1,000 800	120 80	-300	2.2W 1.0W	60 40	12.6	1.1	1,200	140	WG14
R9537	Selected R5222 for operation in calibrated cavity of 7.1 kMc/s mid frequency														
2512 + R9599	Reflex P. Ext. Cav.	Micro	Pea Wee 4-pin	3.95- 5.5	4.7	350	35	-500	80	25	6.3	1.2	370	55	WG12
R9599	Modified R9559	To fit wide range cavities type 25212													
R6010 CV2353	Reflex Int. Cav.	Shaft	BBG	4.4- 4.8	4.6	750	143	-290	3.7W	50	6.3	0.9	800	150	Co-ax line
R6015 CV2354	"	"	"	4.27-4.76	4.5	250	40	-175	150	20	6.3	0.9	350	70	..
25221 + R9559	Reflex P. Ext. Cav.	Micro	Pea Wee 4-pin	3.3- 4.9	4.1	350	35	-400	80	25	6.3	1.2	370	55	WG11
R5081	Reflex Int. Cav.	Shaft	BBG	3.9- 4.2	4.0	750	143	-350	4.0W	40	6.3	0.9	800	150	Co-ax line
RK6112 CV2116	Plug-in Reflex	—	BTG	1 - 4	Over range	250	26	-50 to -400	150	—	6.3	0.7	300	45	—
R9559 VX5048	"	—	Pea-Wee 4 pin	1 - 5.4 (Tentative)	..	300	35	..	100	—	6.3	1.2	370	55	—
R9585 6B M6 CV3615	"	—	"	0.5- 3	..	300	20	-20 to -400	10 to 50	—	6.3	0.7	350	32	—
R9586 6B M6A CV3939	"	—	"	0.5- 3	..	..	..	..	..	..	..	..	..	..	..
†25205 + R9559	Reflex P. Ext. Cav.	Shaft, with Vernier	..	3.28-3.72	3.5	300	35	-200	120	30	6.3	1.2	370	55	WG11
KR6/1 CV116	Reflex Ext. Cav.	Pre-set slugs	Octal	3.36-3.55	3.45	250	32	-140	150	30	4.0	1.3	300	40	Co-ax line
KR6/2 CV237	"	"	"	3.17-3.39	3.28	250	32	-140	150	30	4.0	1.3	300	40	..
KR6/3 CV238	"	"	"	2.93-3.13	3.03	250	32	-140	150	30	4.0	1.3	300	40	..
R9570 VX5063	3 cavity amplifier (pulse)	Special	Special	2.7-3.05	Over range	45kV Duty cycle .002	9A	—	100kV for 6W input	5	9-11	6.5-8	50kV Duty cycle .0012	11.8A	WG10
R9571 VX5089	4 cavity amplifier (pulse)	"	"	2.7-3.05	Over range	20kV Duty cycle .005	6.5A	—	15kV for 2W input	30	9-11	6.5-8	25kV Duty cycle .0034	8.8A	WG10

* Cavities of similar type fitted with contact springs and suitable for use with plug-in Klystron R5222 are also available, these have suffix P. Fixed frequency versions of these tubes are identified by suffix N (e.g. R960N would be 9.6 kMc/s fixed frequency rugged tube) and are available within band. Fixed frequency plug-in cavities (e.g. R960NP) are also available.
 † Other cavities of tuning range 400 Mc/s in band 2.5 to 4.2 kMc/s are also available (Types 25203, 4 and 6).