

TYPE : E. M. I.

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

NUMBER	TYPE (Note 1)	TUNER (Note 2)	BASE (Note 3)	FREQUENCY RANGE kMc/s.	FRQY kMc/s.	AVERAGE CHARACTERISTICS						RATINGS				OUTPUT (Note 7)
						V _a Volts	I _a mA	V _c Volts (Note 5)	POWER mW	ΔF Mc/s (Note 6)	V _c Volts Nominal	I _a Amps	V _c Volts Max.	I _a mA Max.		
R9604	Reflex Int. Cav.	Shaft	Octal	36-46.1	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	
RS146, 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 3λ Cavity					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	1,500	10	WG16	
R9516	Reflex Int. Cav.	"	BBG	7.05-7.3	7.2	1,000	120	-300	2.2W	60	12.6	1.1	1,200	140	WG14	
R9537	"	Selected R5222 for operation in calibrated cavity of 7.1 kMc/s mid frequency														
25212 + R9599	Reflex P Ext. Cav.	Micro	Pee 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	..	
25231 + R9559	Reflex P Ext. Cav.	Micro	Pee 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	—	B7G	1-4	Over range	250	26	-50 to -400	150	—	6.3	0.7	300	45	—	
R9559 VX5048	"	"	Pee-Wee 4 pin	1-5.4 (Tentative)	..	300	35	..	100	—	6.3	1.2	370	55	—	
R9585 68M6 CV3615	"	"	"	0.5-3	..	300	20	-20 to -400	10 to 50	—	6.3	0.7	350	32	—	
R9586 68M6A CV3939	"	"	"	0.5-3	..	As R9585 but selected for absence of jitter when pulsed.										
125205 + 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 slug	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	118A	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	88A	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. 9560N would be 9.6 kMc/s fixed frequency rugged tube) and are available within band. Fixed frequency plug-in cavities (e.g. 9540NP) 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).

(The Company reserves the right to make changes without prior notice.)