

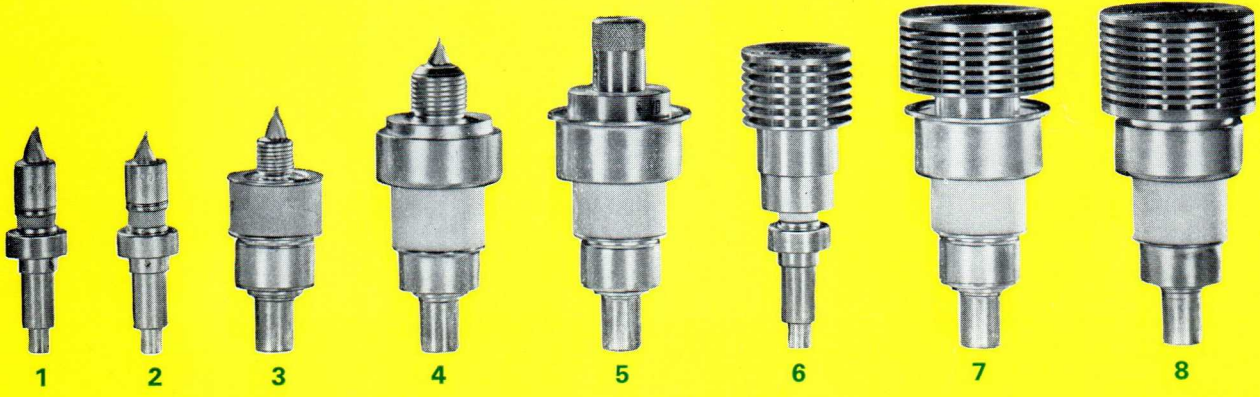
Type	Order No.	Max. Frequency <i>F</i> GHz	Heating		<i>F_b</i> GHz	Typical. Operation			<i>E_b</i> kV
			<i>E_f</i> V	<i>I_f</i> A		<i>P_o</i> W	<i>P_{o syn}</i> W	<i>P_{o p}</i> W	
Triodes									
YD 1100	Q 35-X 4651	5	5,6 $\bar{\sim}$	0,3	2	2			0,45
YD 1102	Q 35-X 4662	7	6,0 $\bar{\sim}$	0,47	1,1			600 ¹⁾	1,3
YD 1104	Q 35-X 4664	7	5,6 $\bar{\sim}$	0,43	0,86		1,25		0,5
YD 1107	Q 35-X 4667	7	6,0 $\bar{\sim}$	0,47	2,5			200 ²⁾	1,6 ²⁾
RH 6 C (YD 1060, 8412)	Q 35-X 3251	7	6,0 \sim	0,8	3	6			0,6
RH 7 C (YD 1070, 8413)	Q 35-X 3252	9	6,0 \sim	0,8	3	6			0,6
2 C 39 BA 7289	Q 35-X 5002	3	6,0 $\bar{\sim}$	0,95	2,5	24			1,0
YD 1040	Q 35-X 8001	3	6,0 $\bar{\sim}$	0,95	3			2000 ²⁾	3,5 ²⁾
YD 1040	Q 35-X 4652	3	6,0 $\bar{\sim}$	1,05	2,5 1,1			2000 ²⁾ 1500 ¹⁾	3,5 ²⁾ 2,0
YD 1041	Q 35-X 4657	3	6,0 $\bar{\sim}$	1,05	2,5 1,1			2000 ²⁾ 1500 ¹⁾	3,5 ²⁾ 2,0
YD 1042	Q 35-X 4658	3	6,0 \sim	1,3	2,3	20			1,2
YD 1046	Q 35-X 4660	3	6,0 $\bar{\sim}$	1,05	2,5 1,1			2500 ²⁾ 2000 ¹⁾	4,0 ²⁾ 2,5
YD 1047	Q 35-X 4680	3	6,0 \sim	1,05	2,5 1,1			1800 ²⁾ 1500 ¹⁾	3,5 ²⁾ 2,0
YD 1048	Q 35-X 4659	3,5	6,3 $\bar{\sim}$	1,25	2,5			4500 ²⁾	8500 ²⁾
YD 1049	Q 35-X 4668	3,5	6,3 $\bar{\sim}$	1,25	2,5			4500 ²⁾	8500 ²⁾
YD 1050	Q 35-X 4653	2,5	6,0 $\bar{\sim}$	1,0	0,86		10		0,85
YD 1051	Q 35-X 4654	2,5	6,0 $\bar{\sim}$	1,0	0,86		17		1,0
YD 1270	Q 35-X 4670	3	6,3 $\bar{\sim}$	1,2	0,86		25		1,6
YD 1271	Q 35-X 4671	3	6,3 $\bar{\sim}$	1,2	0,86		6		1,0
YD 1274	Q 35-X 4672	2,5	6,0 $\bar{\sim}$	2,5	0,86		125		1,8
YD 1276	Q 51-X 3144	3	5,5 $\bar{\sim}$	0,95	0,86		2,5		0,6
YD 1380	Q 35-X 4682	3	6,0 \sim	1,3	1,6	125			1,5
YD 1381	Q 35-X 4687	3	6,0 \sim	1,3	1,6	125			1,5
Tetrodes									
YL 1042	Q 51-X 1042	2	6,3 $\bar{\sim}$	1,05	0,86		15		1,0
RS 1062 C	Q 51-X 1062	1,25	6,3 $\bar{\sim}$	6,5	0,8	600			2,6
RS 1072 C	Q 51-X 1072	0,05	3,8 $\bar{\sim}$	20,5	0,05	1100			3,5
YL 1050	Q 51-X 1050	0,96	3,8 $\bar{\sim}$	20,5	0,79	1000			3,3
YL 1052	Q 51-X 1049	1,215	3,8 $\bar{\sim}$	20,5	0,23	2200			3,5
					0,79	1250			3,5
					0,23		550		3,2
					0,79		220		3,0
YL 1055	Q 51-X 1055	0,96	3,8 $\bar{\sim}$	20,5	0,86		220		3,0
YL 1056	Q 51-X 1056	0,96	3,8 $\bar{\sim}$	20,5	0,23 0,86	1700			3,5 3,5

1) Peak pulse values in grid-pulsed operation

2) Peak pulse values in plate-pulsed operation

For further

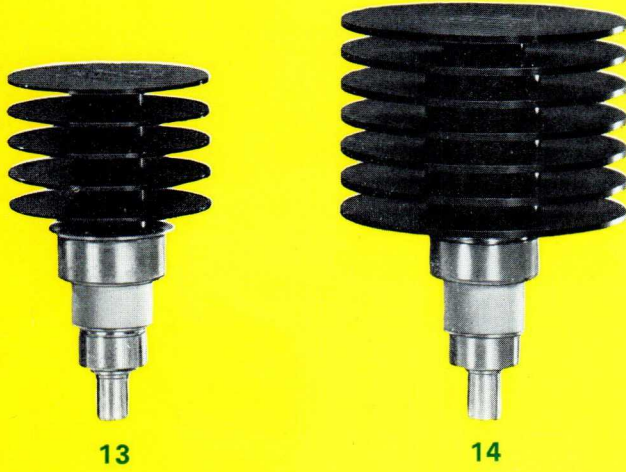
Maximum Ratings		Cooling	Characteristics and applications	Fig.
I_k mA	P_p W			
30	15	contact cooling	rf amplifier and oscillator	1
1500 ¹⁾	15	„	grid or plate pulsed amplifier, oscillator	2
55	20	„	TV transposer, common vision and sound, Solid-state driver possible	2
500 ²⁾	15	forced air cooling	grid or plate pulsed amplifier, oscillator	6
75	30	$P_p \geq 10$ W forced air cooling	C-amplifier, multiplier, oscillator	6
75	25	contact cooling		1
125	100	$P_p \geq 10$ W forced air cooling	universal as amplifier, oscillator	7
3000 ²⁾	100		amplifier, oscillator, pulse applications	7
4800 ²⁾ 4800 ¹⁾	100		contact cooling	grid or plate pulsed amplifier, oscillator
4800 ²⁾ 4800 ¹⁾	100	5		
400	120	forced air cooling	CW and pulse operation (PPM or PCM)	7
4800 ²⁾ 4800 ¹⁾	100	„	grid or plate pulsed amplifier, oscillator	7
4800 ²⁾ 4800 ¹⁾	75	contact cooling	grid or plate pulsed amplifier, oscillator for use in mobile and airborne equipment	3
7500 ²⁾	220	forced air cooling	High power tube for radar and for use in mobile and airborne equipment (Collision Avoidance Systems)	8
7500 ²⁾	220	contact cooling		4
125	100	$P_p \geq 10$ W forced air cooling	rf amplifier and oscillator	7
125	100		TV transposer, common vision and sound, Solid-state driver possible	7
180	200	forced air cooling	TV transposer, common vision and sound, G = 20 dB	12
100	60	natural air cooling	TV transposer, common vision and sound, G = 18 dB	14
450	600	forced air cooling	TV transposer, common vision and sound, G = 21 dB	11
80	25	natural air cooling	TV transposer, common vision and sound	13
300	250	contact cooling	CW-amplifier and oscillator for use in mobile and airborne equipment (Air Traffic Control)	9
300	250	forced air cooling		10
180	115	forced air cooling	TV transposer, common vision and sound,	15
500	700		C-amplifier, TV transmitter	16
1300	1600		SSB and linear amplifier	17
1300	1600		linear amplifier, TV transmitter	17
1300	1800			17
1300	1800			17
1000	2000		TV transposer, common vision and sound, G = 16 dB	
900	1800			
800	1800		TV transposer, common vision and sound, G = 17 dB	17
1100	1800		TV transmitter, G = 20 dB	17
1100	1800	TV transposer, common vision and sound, G = 17 dB		



1 2 3 4 5 6 7 8



9 10 11 12



13 14



15 16



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