

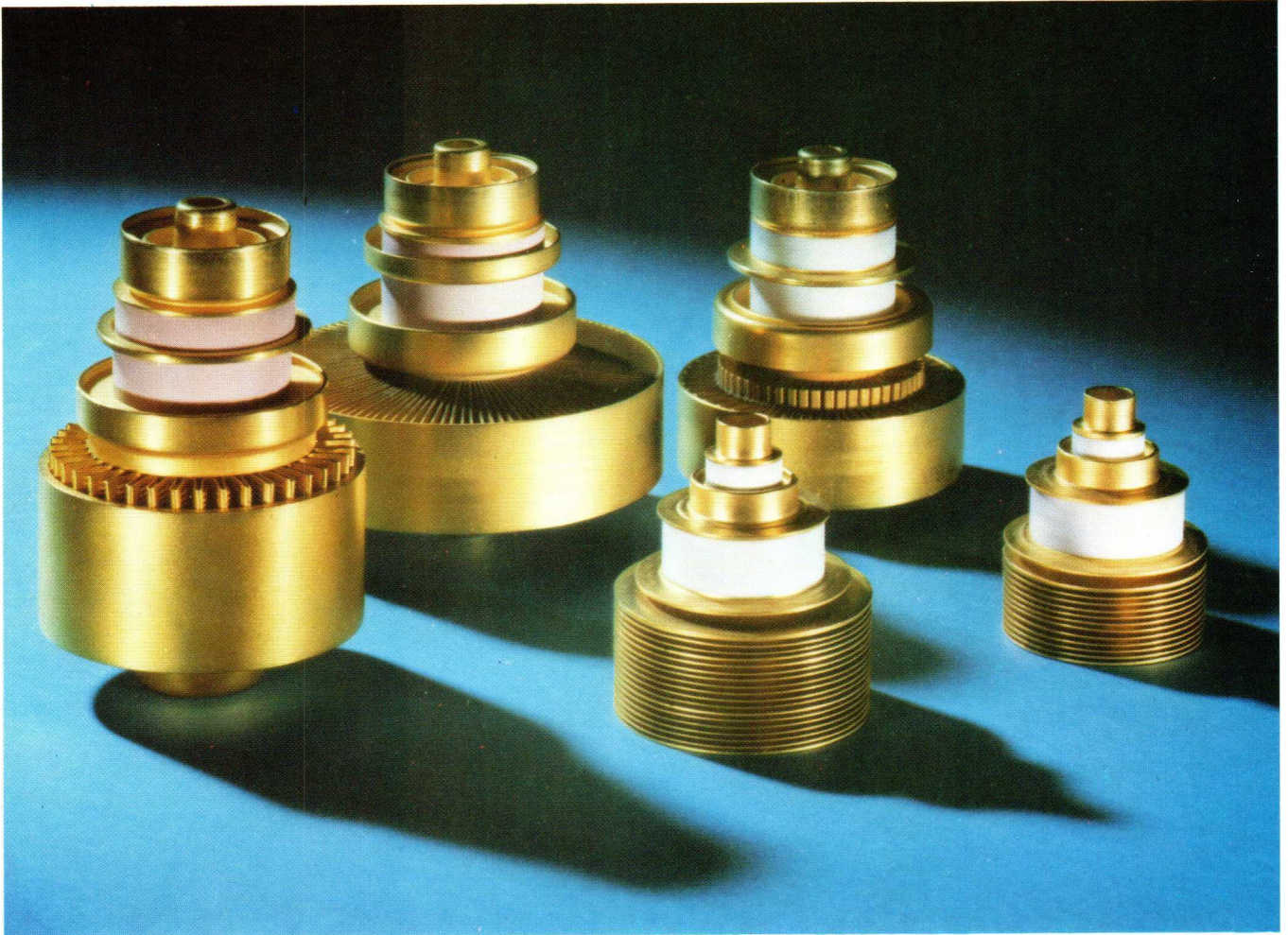
Mullard Broadcasting Tubes

Triodes Tetrodes Klystrons



Mullard





Triodes

Ceramic - metal construction
 Forced-air cooled
 High-gain
 Intermodulation products ≤ 55 dB
 Frequency up to 1000 MHz



Tetrodes

Ceramic - metal construction
 Forced - air cooled
 High gain
 Quick-heat cathode
 High-stability

Tetrodes for Television service

type	output power sync kW	frequency at full ratings max MHz	V _f V	I _f A	V _a kV	V _{g2} V	I _a black A	V _a max kV	W _a max kW
YL1590	0,3	1000	3	40	3	550	0,25	3,6	1,5
YL1540	1,15	260	4,2	53	3	700	0,7	4	2
YL1440	1,55	260	4,2	53	3	500	0,7	4	1,5
YL1560	6	1000	5	130	5	700	1,75	6	6
YL1420	8,6	260	6,3	120	5	600	2,1	6,5	6
YL1580	12	1000	7	130	6,5	700	3	7,2	12
YL1430	18,4	260	8	120	7	700	2,9	9	12
YL1520	27,5	260	11,5	120	8	700	4	9	18

Tetrodes for Television Transposer service

type	output power sync kW	power gain dB	frequency at full ratings max MHz	V _f V	I _f A	V _a kV	V _{g2} V	I _a A	V _a max kV	W _a max kW
YL1590	0,22	14	1000	3,5	50	3	600	0,55	4,5	1,5
YL1440	0,55	15	260	4,2	53	2,5	600	0,73	4	1,5
YL1560	2,2	16	1000	5	130	5	800	1,5	6	6
YL1420	2,5	15	260	6,3	120	4	700	1	6,5	6
YL1580	4,4	17	1000	7	130	6,5	700	2,9	7,5	14
YL1430	7	15	260	8	120	6	800	1,2	9	12
YL1520	10,5	16	260	11,5	120	8	900	9	9	18

Triodes for Television Transposer service

type	output power sync W	power gain dB	frequency at full ratings max MHz	V _f V	I _f A	V _a kV	I _a A	V _a max kV	W _a max kW
YD1270	25	19	1000	6,3	1,2	1,5	0,12	1,7	0,2
YD1303	25	20	1000	5	2,1	1,2	0,10	2	0,15
YD1300	35	20	1000	5	2,1	1,7	0,12	2	0,3
YD1302	55	19	1000	5	2,1	1,9	0,13	2	0,325
YD1304	55	19	1000	6,3	2,5	1,8	0,13	2	0,325
YD1333	110	16,5	1000	6,3	5,3	2	0,25	3,5	0,9
YD1334	110	16,5	1000	6,3	5,3	2,5	0,25	3,5	1,8
YD1330	220	16,5	1000	6,3	5,3	3	0,42	3,5	1,8
YD1336	220	16,5	1000	6,3	5,3	3	0,42	3,5	1,8
YD1335	550	15	1000	6,3	5,3	3,5	0,25	3,8	1,9

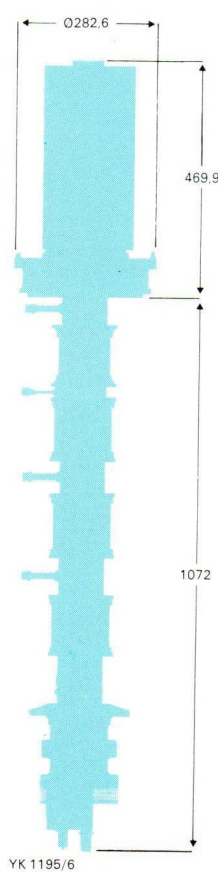
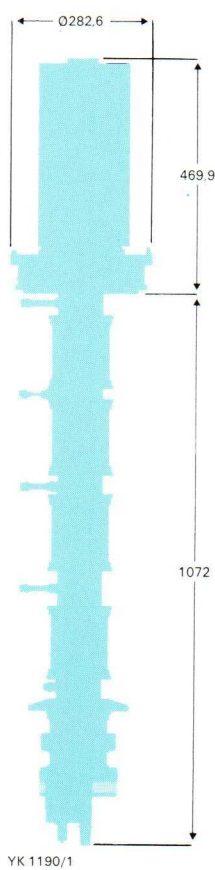
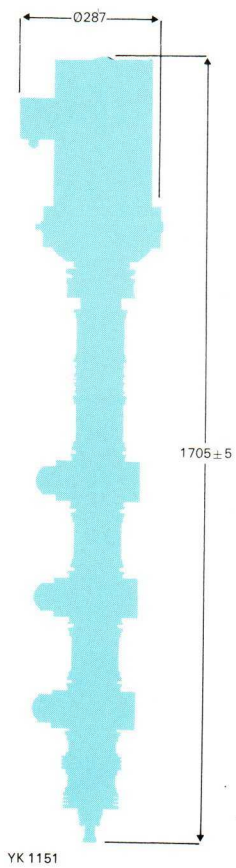
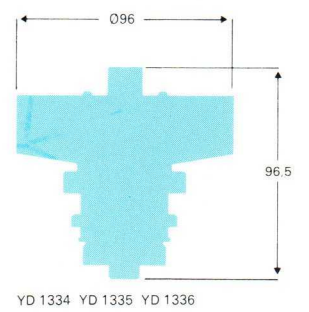
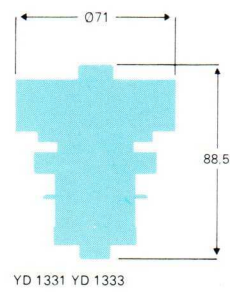
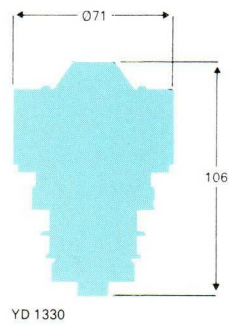
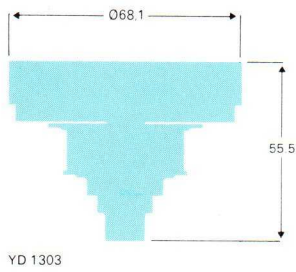
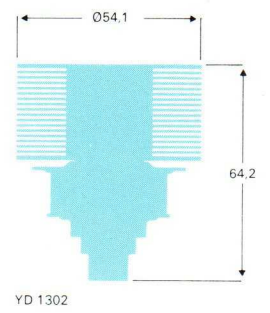
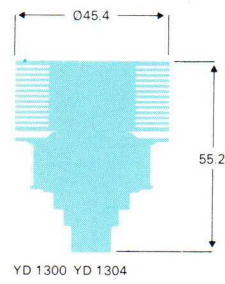
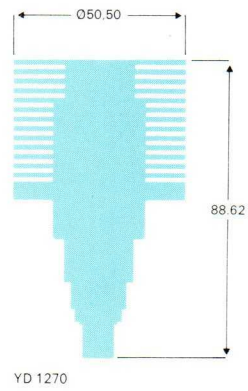
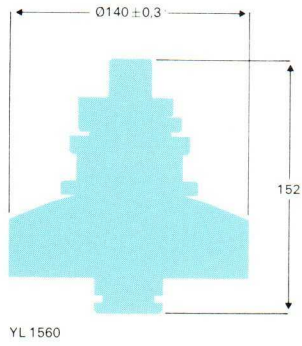
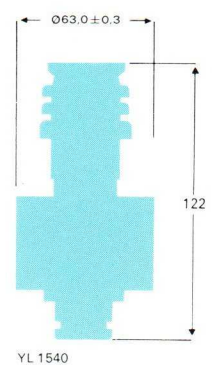
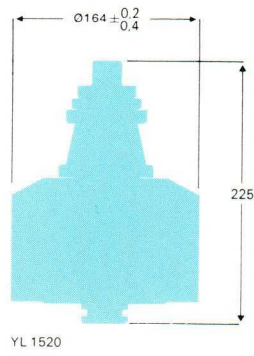
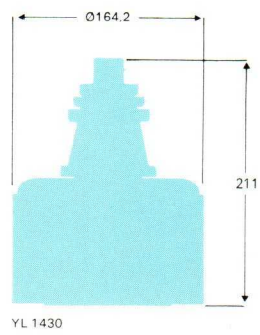
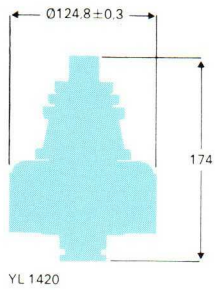
Amplifier circuit assemblies

Complete amplifier circuit assemblies are available for most of the above

Tetrodes and Triodes (Maintenance Types)

type	output power kW	frequency at full ratings max MHz	frequency at reduced ratings max MHz	V _f V	I _f A	I _k max A	V _a max kV	W _a max kW
QQV06-40A	0-09	200	500	6-3	1-8	2 x 0-12	0-6	2 x 0-02
QY4-250	1-0	75	120	5-0	14-0	0-42	4-0	0-25
QY4-400	1-1	110	110	5-0	14-0	0-42	4-0	0-4
QY5-3000A	4-1	75	220	6-3	32-5	1-3	5-0	3-0
TY7-6000A	10-0	30	110	12-6	33-0	2-8	7-2	6-0

OUTLINES NOT SHOWN

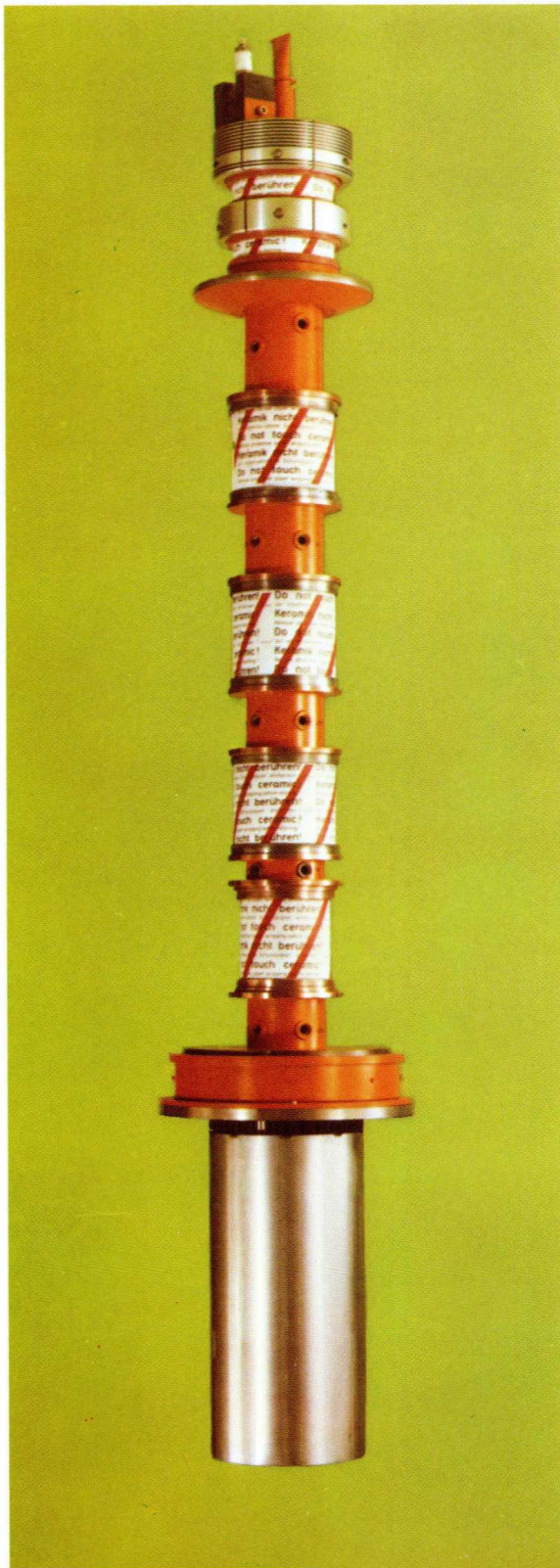


All dimensions are in mm and are maximum sizes

U.H.F. power Klystrons for Television service

type	frequency range MHz	output power gain (peak sync)		beam voltage kV	beam current A	efficiency %	focusing
		kW	dB				
YK1151	470 to 860	12,5	40	20*	2,1	39	permanent magnetic
YK1151	470 to 860	25	44	24*	3,0	41	permanent magnetic
YK1190	470 to 610	45	41	21,5	6,2	34	electromagnetic
YK1191	590 to 720	45	44	21,5	6,2	34	electromagnetic
YK1192	710 to 860	45	41	22	6,3	32	electromagnetic
YK1195	470 to 610	58	37	22	6,3	45	electromagnetic
YK1196	590 to 720	58	39	21,5	6,2	42	electromagnetic

*Operation with depressed collector potential.





Mullard



Mullard Limited, Mullard House,
Torrington Place, London WC1E 7HD.
Telephone : 01-580 6633 Telex : 264341

Mullard manufacture and market electronic components
under the **Mullard**, **Philips** and **Signetics** Brands.