

TRANSMITTING VALVES AND MERCURY VAPOUR RECTIFIERS

ME 1001

Indirectly-heated disc seal triode (without internal feedback) intended mainly as a common grid, earthed anode, concentric line oscillator. It may also be used as a power amplifier.

When used in a co-axial line circuit with an anode input of 10 watts, the output power is approximately 0.5 watts at 10 cms, rising to 3 watts at 30 cms.

The lower limit of operating wavelength is 8-8.5 cms.

HEATER

V_h 6.3 V I_h 0.4 A approx.

MOUNTING POSITION

Any

CAPACITANCES

C_{a-g}	1.1	$\mu\mu F$
C_{a-k}	0.02	$\mu\mu F$
C_{g-k}	2.2	$\mu\mu F$

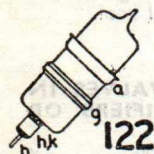
CHARACTERISTICS

V_a	250	V
V_g	-3.5	V
I_a	20	mA
g_m	6.0	mA/V
μ	30	approx.

LIMITING VALUES

V_a max.	350	V
P_a max.	10	W
I_a max.	50	mA
I_a (pk) max.	150	mA
*Anode seal temp. max.	140	°C

*In order to limit the anode seal temperature and also to limit the rate of change of anode seal temperature, it is necessary that the mass of metal in close thermal contact with the anode disc be not less than 60 grams (2 ozs) of brass or its equivalent



DIMENSIONS :

$L=63$ mm
 $D=23$ mm

V.H.F. triode with hard glass envelope and strong double helical thoriated tungsten filament, designed for use as an R.F. amplifier, oscillator, grounded-grid amplifier or modulator.

At maximum ratings the maximum operating frequency is 150 Mc/s.

TY2-125

Preliminary
Data

FILAMENT

V_f (D.C. or A.C.)	6.3	V
I_f (approx.)	5.4	A

