

Cathode

Indirectly heated

HeaterV_h 6.3 VI_h 0.5 A**Limit Ratings**

Maximum heater to cathode voltage	±150 V
Maximum spade to cathode voltage (V _S max.)	125 V
Minimum spade to cathode voltage (V _S min.)	85 V ←
Minimum target to cathode voltage (V _T min.)	50 V
Maximum target to cathode voltage (V _T max.)	300 V
Minimum switching-grid to cathode voltage (V _{SG} min.)	V _S = 125 V 65 V ← V _S = 85 V 45 V ←
Minimum input duration	0.5 μs

Characteristics (V_S = 108 V, R_S = 100 kΩ)

Holding spade current	1.2 mA nom. ←
Target current	10.0 mA nom. ←

Recommended Operating Conditions (for counting up to 1 Mc/S)

V _S	108 V ←
R _S	100 kΩ ± 10%

(Each spade must be connected to a separate load resistor with not more than ½" (10 mm) of connecting lead).

V _T	108 V ←
R _T	4.7 kΩ

(Any number of target connections may be taken to a common target resistor).



Recommended Operating Conditions (for counting up to 1 Mc/S) *cont.*

$V_{SG} = \frac{V_s}{2}$	54 V ←
V_{SG} pulse amplitude	— 54 V ←
t pulse	0.5 μ S
R_{SG}	22 k Ω ←
C input	330 pF ←

Alternatively d.c. coupling may be used as shown in circuit LK. 125

* *Note :-* The spade resistance is the total resistance, including resistors for beam formation etc.

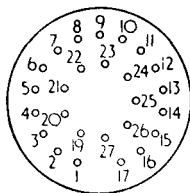
Mechanical Data

Mounting position Any: providing that the tube is kept at least 2" from any magnetic material or 4" from a similar tube, a strong magnet or a mu-metal screen.

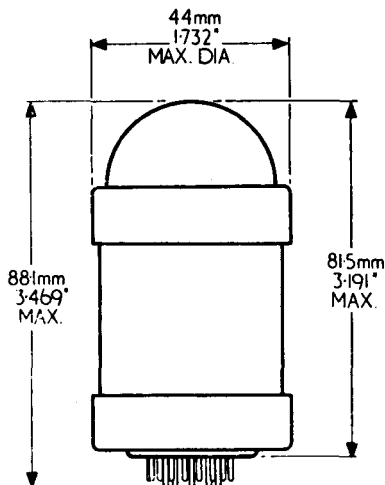
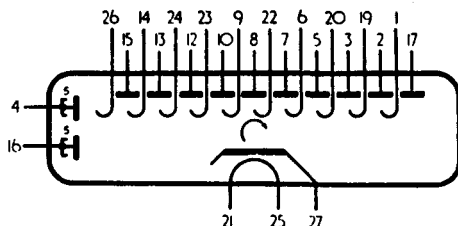
Weight 185 g
Base B26A

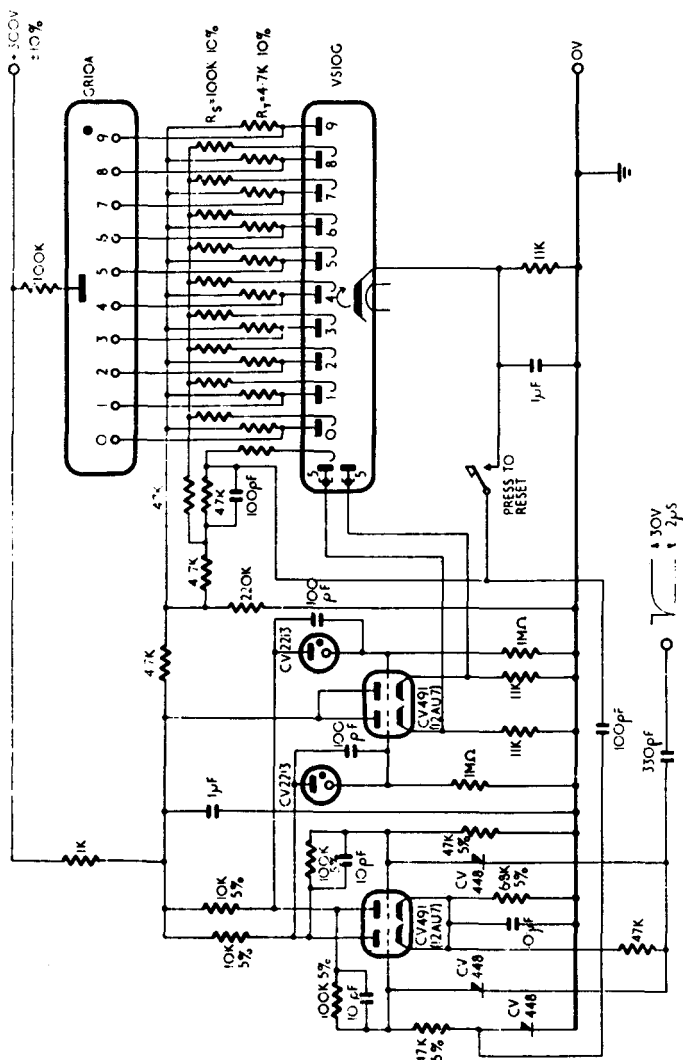
N.B. ← Indicates a change from previous data sheets.

Mechanical Data—cont.

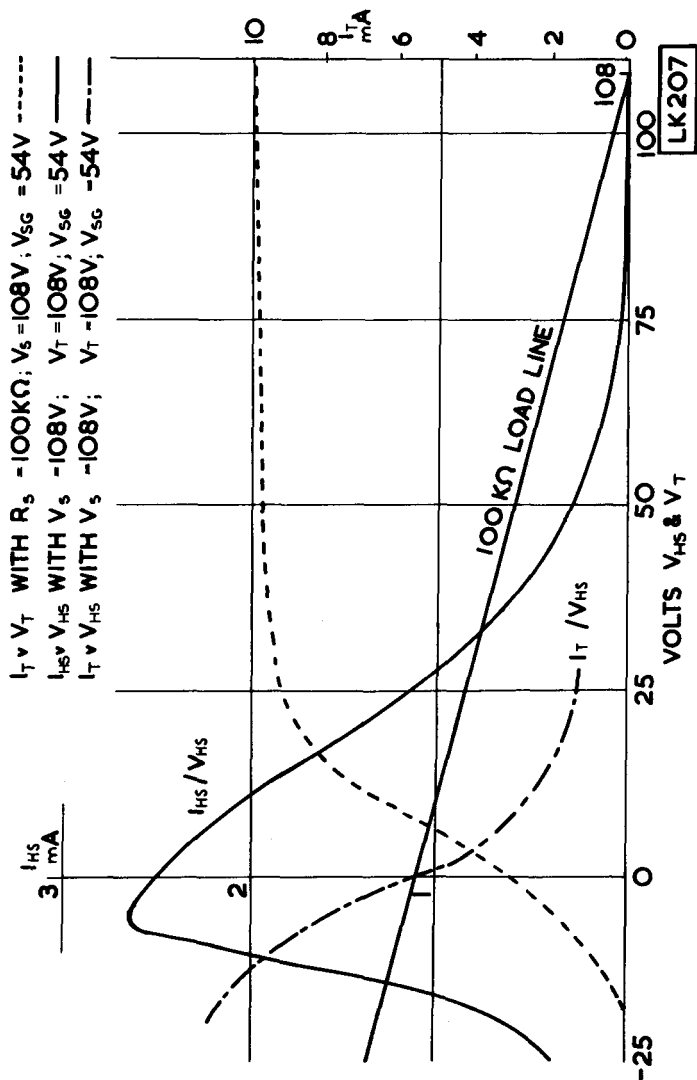
Base Connections
(underside view)

- Pin 1 Spade 0
 2 Target 9
 3 Target 8
 4 Odd Switching grids
 5 Target 7
 6 Spade 7
 7 Target 6
 8 Target 5
 9 Spade 5
 10 Target 4
 11 Do not connect
 12 Target 3
 13 Target 2
 14 Spade 2
 15 Target 1
 16 Even switching grids
 17 Target 0
 19 Spade 9
 20 Spade 8
 21 Heater
 22 Spade 6
 23 Spade 4
 24 Spade 3
 25 Heater
 26 Spade 1
 27 Cathode





1 Mc/S Trochotron Decade Counter with GR10A Register Tube readout



VS10G Holding Spade and Target Characteristics



