

Cathode

Indirectly heated

Heater

Vh	6.3 V
Ih	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 ← $V_S = 85$ V ←
Minimum input duration	0.5 μ S

Characteristics ($V_S = 108$ V, $R_S = 100$ k Ω)

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 k $\Omega \pm 10\%$

(Each spade must be connected to a separate load resistor with not more than $\frac{1}{2}$ " (10 mm) of connecting lead).

V_T	108 V ←
R_T	4.7 k Ω

(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

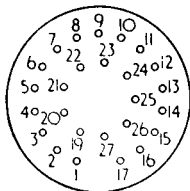
Mounting position Any: providing that the tube is kept at least 2" from any magnetic material or 4" from a similar tube, a strong magnet or a mu-metal screen.

Weight 185 g
Base B26A

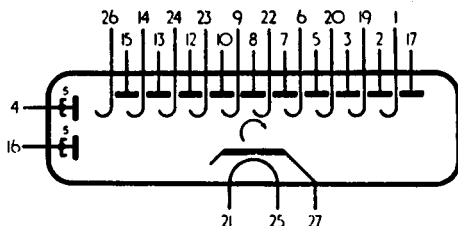
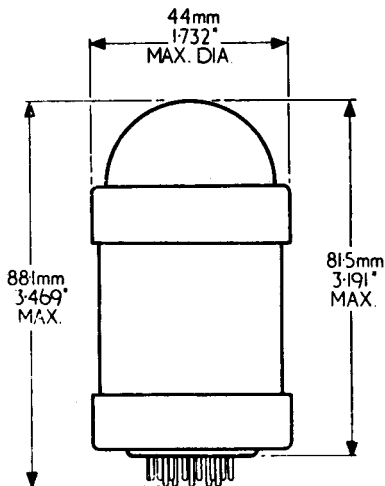
N.B. ← Indicates a change from previous data sheets.

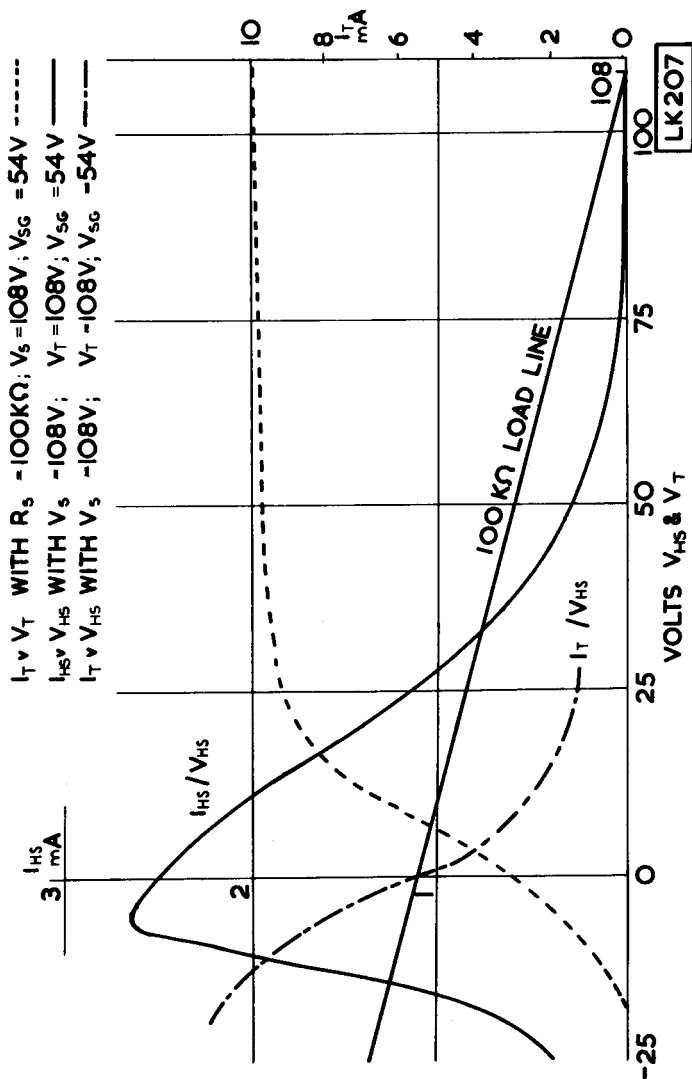
Mechanical Data—cont.

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 |





VS10G Holding Spade and Target Characteristics



