Low Voltage 10-way Trochotron
Beam Switching Tube

Cathode

Indirectly heated

Heater

Vh  6.3 V
lh  0.5 A

Limit Ratings

Maximum heater to cathode voltage  ± 75 V
Maximum spade to cathode voltage ($V_S$ max.)  32 V
Minimum spade to cathode voltage ($V_S$ min.)  28 V
Maximum target to cathode voltage ($V_T$ max.)  150 V
Minimum target to cathode voltage ($V_T$ min.)  14 V
Minimum switching-grid to cathode voltage ($V_{SG}$ min.)  15 V
Minimum spade resistor $V_S = 28$ V  100 kΩ
Maximum spade resistor $V_S = 28$ V  150 kΩ

Characteristics ($V_S = 30$ V, $R_S = 150$ kΩ)

Holding spade current  400 µA nom.
Target current  1.7 mA nom.

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

$V_S$  30 V
$R_S$  150 kΩ ± 10%

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

$V_T$  30 V
$R_T$  6.8 kΩ

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

$V_{SG}$  15 V
$V_{SG}$ pulse amplitude  -17 V
$t$ pulse  0.5 µs
$R_{SG}$  47 kΩ
$C$ input coupling  330 pF
VS10K

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**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

220 g

Base

B26A

Sockets

B26A or B27A

**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

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