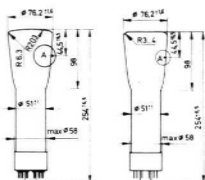


with spherical faceplate (D. 7-116) and flat faceplate (D. 7-116 F) respectively, post-deflection accelerator for medium operating voltages



### Application

in small size portable oscilloscopes for medical and industrial purposes, extremely suitable for small oscillosynchrosopes

### Screen Types

DB 7-116	DB 7-116 F
DG 7-116	DG 7-116 F
DN 7-116	DN 7-116 F
DP 7-116	DP 7-116 F

### System Structure

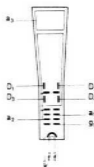
Arrangement of Electrodes:

### Base Connections

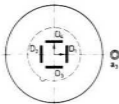
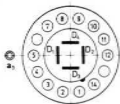
(bottom view)

### Deflection

(viewed from screen end)



- 1 - f
- 2 - k
- 3 -  $g_1$
- 4 -  $i, c$
- 5 -  $a_2$
- 7 -  $D_3$
- 8 -  $D_4$
- 9 -  $a_2$
- 10 -  $D_2$
- 11 -  $D_1$
- 12 -  $i, c$
- 14 - f
- A -  $a_3$



Deflection Method:  
electrostatic, symmetrical

Focusing Method:  
electrostatic

### Base

Medium-Shell Diheptal, 12-pin, JETEC No. B12-37

Minimum Useful Screen  
Diameter 70 mm

### Heating

$U_f = 6.3$  V  
 $I_f = 600$  mA

### Typical Operation

$U_{a3} = 4$  kV  
 $U_{a2} = 2$  kV  
 $U_{a1} = 400 \dots 690$  V  
 $U_{p1 \text{ cut off}} = 30 \dots 90$  V  
 $d_{12} = 67 \dots 91$  V/cm  
 $d_{a1} = 49 \dots 67$  V/cm

### Maximum Ratings

$U_{a3} = 4$  kV  
 $U_{a2} = 2$  kV  
 $U_{a1} = 1$  kV

### Accessories

Socket: VST 4 or VST 6

Metallic Shield: ART 5

Post-Deflection Accelerator Terminal: VST 2