

# UF41

## VARIABLE-MU R.F. PENTODE

### HEATER

|       |      |    |
|-------|------|----|
| $I_h$ | 100  | mA |
| $V_h$ | 12.6 | V  |

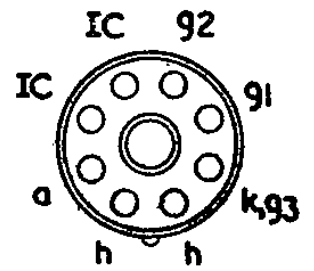
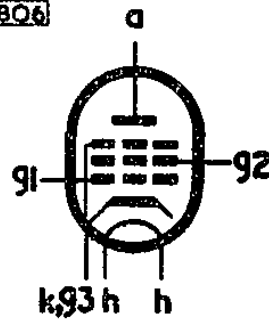
### DIMENSIONS

|                     |    |    |
|---------------------|----|----|
| Max. Overall Length | 60 | mm |
| Max. Seated Height  | 53 | mm |
| Max. Diameter       | 22 | mm |

### CAPACITANCES

|            |       |    |
|------------|-------|----|
| $C_{a-g1}$ | 0.002 | pF |
| $C_{out}$  | 7.0   | pF |
| $C_{in}$   | 5.0   | pF |
| $C_{g1-h}$ | 0.05  | pF |

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### LIMITING VALUES

|                                 |     |    |
|---------------------------------|-----|----|
| $V_a$ max.                      | 250 | V  |
| $p_a$ max.                      | 2.0 | W  |
| $V_{g2}$ max. ( $I_a < 4$ mA)   | 250 | V  |
| $V_{g2}$ max. ( $I_a = 7.2$ mA) | 150 | V  |
| $p_{g2}$ max.                   | 300 | mW |
| $I_k$ max.                      | 10  | mA |
| $V_{h-k}$ max.                  | 150 | V  |

### OPERATING CONDITIONS AS R.F. OR I.F. AMPLIFIER

|               |      |      |      |            |
|---------------|------|------|------|------------|
| $V_a = V_b$   | 100  | 170  | 200  | V          |
| $R_{g2}$      | 39   | 39   | 39   | k $\Omega$ |
| $R_k$         | 330  | 330  | 330  | $\Omega$   |
| $I_a$         | 3.3  | 6.0  | 7.2  | mA         |
| $I_{g2}$      | 1.0  | 1.75 | 2.1  | mA         |
| $V_{g1}$      | -1.4 | -2.5 | -3.0 | V          |
| $g_m$         | 1.9  | 2.2  | 2.3  | mA/V       |
| $r_a$         | 0.8  | 1.0  | 1.0  | M $\Omega$ |
| $\mu_{g1-g2}$ | 18   | 18   | 18   |            |
| $R_{eq}$      | 5.5  | 6.5  | 7.0  | k $\Omega$ |
| * $V_{g1}$    | -17  | -28  | -34  | V          |

\*For 100 : 1 reduction in  $g_m$ .

### REPLACEMENT FOR:

W142, 121VP—Direct.

W101—Change base. UF41 has 12.6V heater.