

SUBMINIATURE U.H.F. TRIODE

EC71

Subminiature medium- μ triode intended for use as an oscillator at frequencies up to 500Mc/s.

HEATER

| | | |
|-------|-----|----|
| V_h | 6.3 | V |
| I_h | 150 | mA |

MOUNTING POSITION

Any

Note—Direct soldered connections to the leads of this valve must be at least 5mm from the seal and any bending of the valve leads must be at least 1.5mm from the seal.

COOLING

In operation this valve may become very hot and to obtain satisfactory life it should be adequately cooled. A suitable method is to mount the valve in a metal clip which conducts the heat away to a suitable heat sink.

CAPACITANCES

| | <i>Shielded</i> | <i>Unshielded</i> | |
|-----------|-----------------|-------------------|----|
| C_{a-g} | 1.2 | 1.3 | pF |
| C_{in} | 2.4 | 2.3 | pF |
| C_{out} | 2.3 | 0.8 | pF |

CHARACTERISTICS

| | | |
|----------------------|------|------------|
| V_a | 100 | V |
| I_a | 8.5 | mA |
| g_m | 5.8 | mA/V |
| r_a | 4.7 | k Ω |
| μ | 27 | |
| V_g | -1.3 | V |
| $V_g(I_a = 10\mu A)$ | -7.0 | V |

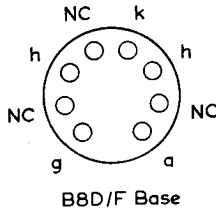
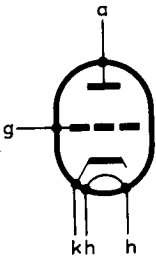
LIMITING VALUES (absolute ratings)

| | | |
|-----------------|-----|----|
| $V_{R(b)}$ max. | 330 | V |
| V_a max. | 165 | V |
| p_a max. | 3.3 | W |
| $-V_g$ max. | 55 | V |
| I_k max. | 22 | mA |
| I_g max. | 5.5 | mA |
| V_{h-k} max. | 200 | V |

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5604



All dimensions in mm

