

# SUBMINIATURE U.H.F. TRIODE

# EC71

Subminiature medium- $\mu$  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

	Shielded	Unshielded
$C_{a-g}$	1.2	1.3 pF
$C_{in}$	2.4	2.3 pF
$C_{out}$	2.3	0.8 pF

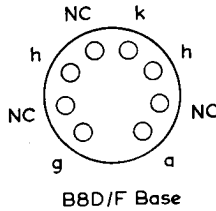
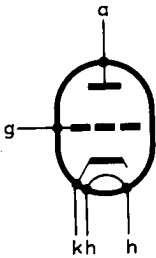
## CHARACTERISTICS

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

## LIMITING VALUES (absolute ratings)

$V_{a(b)} \text{ max.}$	330	V
$V_a \text{ max.}$	165	V
$P_a \text{ max.}$	3.3	W
$-V_g \text{ max.}$	55	V
$I_k \text{ max.}$	22	mA
$I_g \text{ max.}$	5.5	mA
$V_{h-k} \text{ max.}$	200	V

5604



All dimensions in mm

