

# SUBMINIATURE HIGH SLOPE PENTODE

# EF73

High slope pentode primarily intended for industrial applications.

## HEATER

$V_h$	6.3	V
$I_h$	200	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, therefore, in the interests of 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 the chassis and should result in a bulb temperature of 100°C.

## CAPACITANCES

	Shielded	Unshielded	
$C_{a-g1}$	< 0.15	< 0.2	pF
$C_{in}$	4.5	5.0	pF
$C_{out}$	5.0	3.0	pF

## CHARACTERISTICS

$V_a$	100	V
$V_{g3}$	0	V
$V_{g2}$	100	V
$I_a$	7.5	mA
$I_{g2}$	2.5	mA
$V_{g1}$	-2.0	V
$g_{m1}$	5.5	mA/V
$r_a$	250	k $\Omega$
$\mu_{g1-g2}$	28	
$V_{g3\text{ max.}}$ (for $I_a=100\mu\text{A}$ )	-60	V

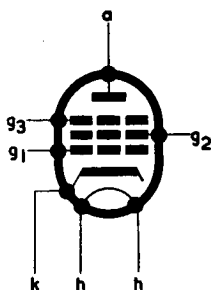
# EF73

## SUBMINIATURE HIGH SLOPE PENTODE

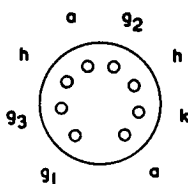
*High slope pentode primarily intended for industrial applications.*

### LIMITING VALUES

$V_{a(b)}$ max.	300	V
$V_a$ max.	175	V
$V_{g2(b)}$ max.	300	V
$V_{g2}$ max.	175	V
$I_k$ max.	14	mA
$p_a$ max.	1.5	W
$p_{g2}$ max.	1.0	W
$p_{a+g2}$ max.	2.0	W
$V_{g1}$ max. ( $I_{g1} = +0.3\mu A$ )	-1.3	V
$R_{g1-k}$ max.	500	k $\Omega$
$R_{h-k}$ max.	20	k $\Omega$
$V_{h-k}$ max.	100	V



3272



B8D/F Base

All dimensions in mm

