

# SUBMINIATURE VARIABLE-MU R.F. PENTODE

# EF71

Variable-mu pentode suitable for use in controlled r.f. amplifiers.

## 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.

## CAPACITANCES

	Shielded	Unshielded	
$C_{in}$	4.5	4.0	pF
$C_{out}$	3.4	1.9	pF
$C_{a-g1}$	< 0.015	< 0.035	pF

## CHARACTERISTICS

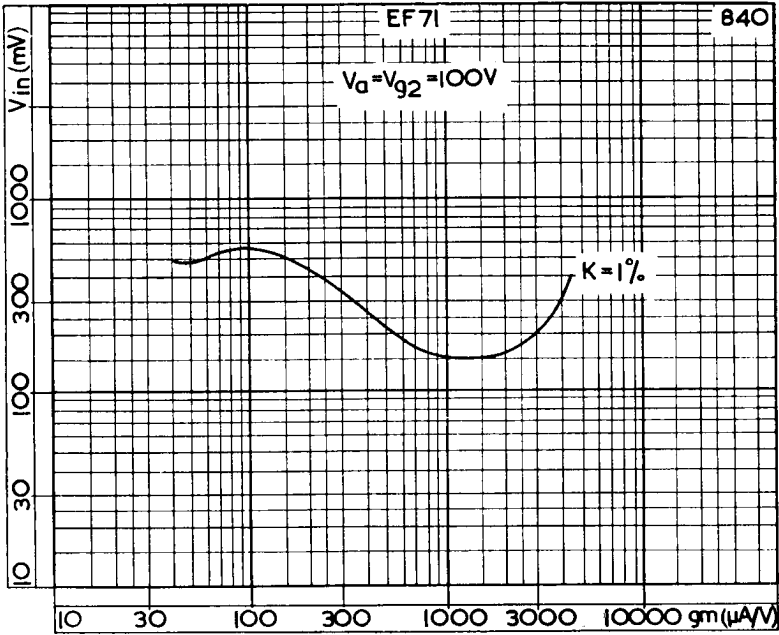
$V_a$	100	V
$V_{g2}$	100	V
$R_k$	120	$\Omega$
$I_h$	7.2	mA
$I_{g2}$	2.2	mA
$g_m$	4.5	mA/V
$r_n$	260	$k\Omega$
$V_{g1}$ ( $g_m = 25 \mu A/V$ )	-14	V

## LIMITING VALUES

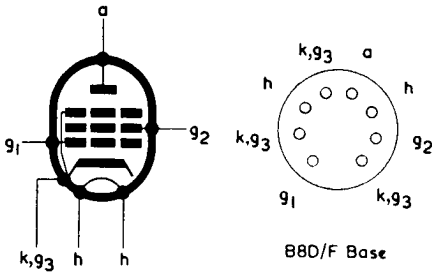
$V_{a(b)}$ max.	300	V
$V_a$ max.	175	V
$p_a$ max.	1.0	W
$V_{g2(b)}$ max.	300	V
$V_{g2}$ max.	175	V
$p_{g2}$ max.	500	mW
$I_k$ max.	10	mA
$R_{g1-k}$ max.	500	$k\Omega$
$V_{h-k}$ max.	100	V

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## SUBMINIATURE VARIABLE-MU R.F. PENTODE



CROSS-MODULATION CURVE



880/F Base

3267

All dimensions in mm

