

# DF33

## VARIABLE-MU R.F. PENTODE

Variable-mu r.f. pentode for use as a controlled r.f. or i.f. amplifier.

### FILAMENT

Suitable for d.c. operation only.

$V_f$	1.4	V
$I_f$	50	mA

### CAPACITANCES

$C_{a-g1}$	< 0.007	pF
$C_{in}$	3.8	pF
$C_{out}$	9.5	pF

### TYPICAL OPERATING CONDITIONS AS CLASS "A" AMPLIFIER

$V_a$	90	V
$V_{g2}$	90	V
$V_{g1}$	0	V
$I_a$	1.2	mA
$I_{g2}$	300	$\mu$ A
$r_a$	1.5	M $\Omega$
$g_m$	750	$\mu$ A/V
$V_{g1}$ (for 150 : 1 reduction in $g_m$ )	-4.0	V

### LIMITING VALUES

$V_a$ max.	110	V
$V_{g2}$ max.	110	V

