

# PE1/100

## OPERATING CONDITIONS R.F. class C

		anode and screen grid modulation		suppressor grid modulation
		>5	>5	>5 m
Wavelength	$\lambda$	>5	>5	>5 m
Anode voltage	$V_a$	= 800	600	1000 V
Grid No.1 voltage	$V_{g1}$	= -120	-120	-100 V
Grid No.2 voltage	$V_{g2}$	= 250	250	150 V
Grid No.3 voltage	$V_{g3}$	= 0	0	-100 V
Anode current	$I_a$	= 120	120	72 mA
Grid No.1 current	$I_{g1}$	= 6.5	6.5	10 mA
Grid No.2 current	$I_{g2}$	= 23	23	24 mA
Peak grid No.1 A.C. voltage	$V_{g1p}$	= 150	150	140 V
Grid No.1 input power	$W_{ig1}$	= 0.9	0.9	1.3 W
Grid No.2 dissipation	$W_{g2}$	= 5.8	5.8	3.6 W
Anode input power	$W_{ia}$	= 96	72	72 W
Anode dissipation	$W_a$	= 21	21	45 W
Output power	$W_o$	= 75	51	27 W
Efficiency	$\eta$	= 78	71	37.5 %
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Modulation factor	$m$	= 100	100	100 %
Peak grid No.2 A.C. voltage	$V_{g2p}$	= 250	250	- V
Peak grid No.3 A.C. voltage	$V_{g3p}$	= -	-	100 V
Modulation power	$W_{mod}$	= 48	36	0 W