



# Repeater Triode

## 3A/144A

### Replaces 4104D

3A/144AY is the 3A/144A tested to special limits for replacement purposes only

#### CATHODE.

Oxide-coated filament

Current	1.0	A
Nominal voltage	4.5	V

#### RATING.

Amplification factor	} Measured at $V_a$ 130V $V_{g1}$ -20V }	2.3	
Impedance		20,000	$\Omega$

#### DIRECT INTER-ELECTRODE CAPACITIES.

Grid to anode	6.8	pF
Grid to filament	5.8	pF
Anode to filament	5.5	pF

#### DIMENSIONS.

Maximum overall length	118	mm.
Maximum bulb diameter	46	mm.
Base : American medium 4 pin bayonet		
Net weight	60	g.

#### MAXIMUM RATINGS.

Maximum direct anode voltage	190	V
Maximum direct anode current	60	mA
Maximum anode dissipation	5	W

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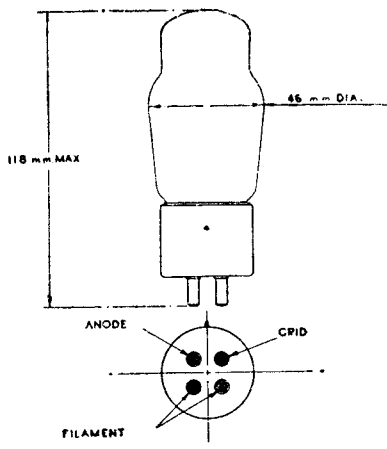
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## TYPICAL OPERATING CONDITIONS.

Anode voltage volts	Grid bias volts	Anode current mA	Anode resistance chms	Load impedance chms	Output watts	2nd Harmonic db below fundamental
130	-15	31.3	1,900	1,900	.090	27.6
				3,800	.078	28.4
				5,700	.065	26.6
130	-20	25.2	2,000	2,000	.135	25
				4,000	.126	28.2
				6,000	.103	28.4
130	-25	20.5	2,100	2,100	.190	25.6
				4,200	.167	28.2
				6,300	.145	30
160	-25	35	1,900	1,900	.230	27.8
				3,800	.177	31.4
				5,700	.170	33.2
160	-30	29	1,900	1,900	.300	26.2
				3,800	.284	27.2
				5,700	.236	30.2





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