



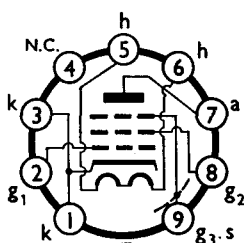
R.F. SHORT BASE PENTODES INDIRECTLY HEATED

Z759 Z359

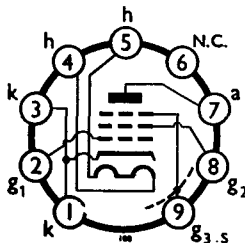
AUGUST, 1955

A high slope valve primarily designed for use as a video amplifier and for wide-band amplifiers.

BASE CONNECTIONS AND VALVE DIMENSIONS



Z759



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View from underside of base.

Base : B9A

Bulb : Tubular

Overall length : 49—55 mm.

Seated length : 43—49 mm.

Diameter : 22 max. mm.

HEATERS

	Z759	Z359	
V_h	6.3	12.6	V
I_h	0.6	0.3	A

MAXIMUM RATING (design centre)

V_a	300	V
V_{g2}	250	V
V_{h-k} pk	150	V
P_a	5	W
P_{g2}	1.5	W

CHARACTERISTICS

V_a	250	V
V_{g2}	250	V
I_a	20	mA
I_{g2}	5.25	mA
V_{g1}	—2	V
g_m	15	mA/V
r_a	0.5	MΩ

CAPACITANCES (of cold screened valve)

C_{g1-a}	0.007 pF	C_{in}	13 pF	C_{out}	2.5 pF
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MOUNTING

Any position.

SCREENING

A separate external screening canister should be used.

RETAINING

The use of a retaining device is recommended.

VENTILATION

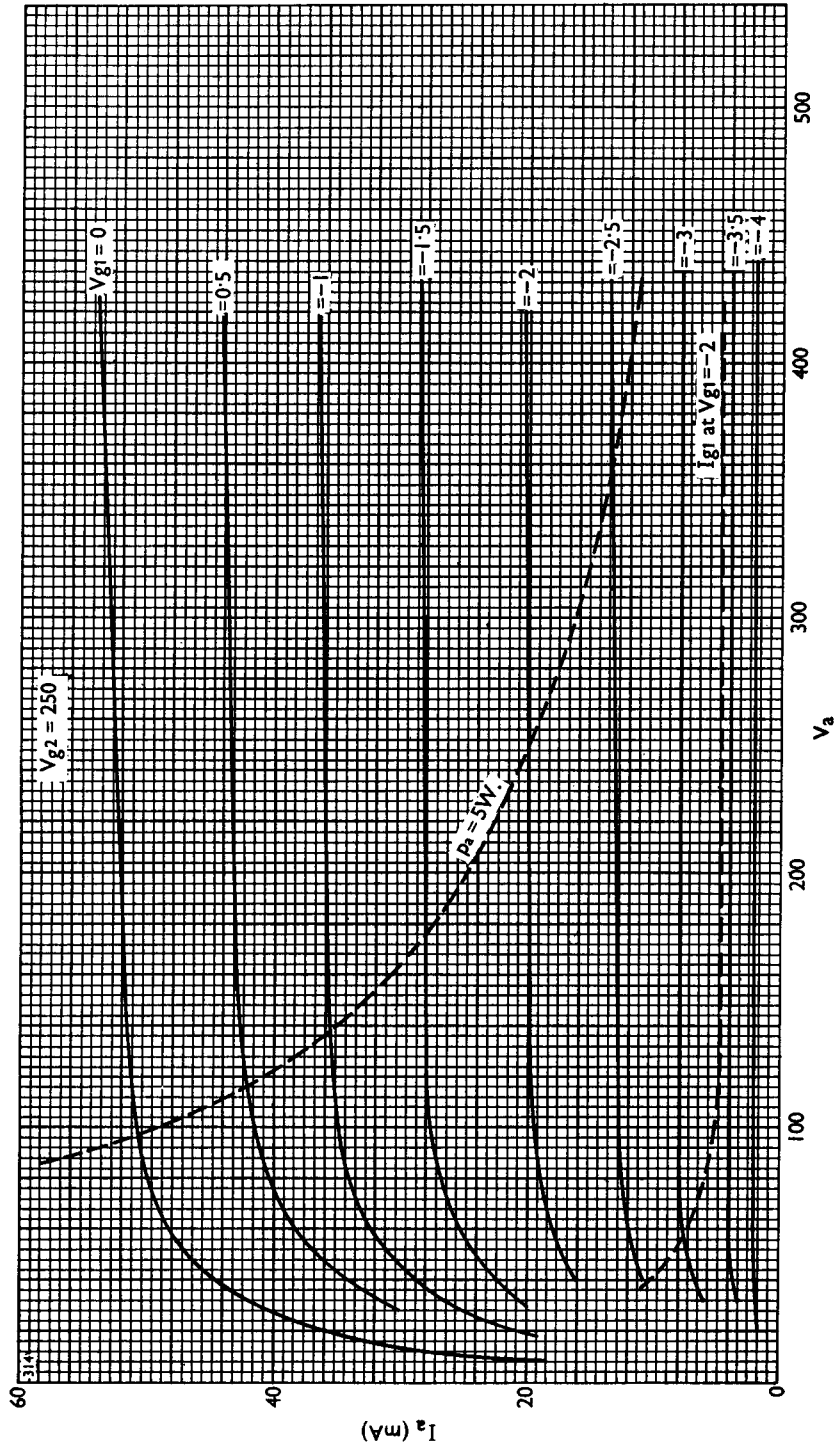
Free air circulation around the bulb is preferable. If a retaining device in the form of a canister is used the surfaces should be blackened. The temperature of the hottest part of the bulb must not exceed 250°C.

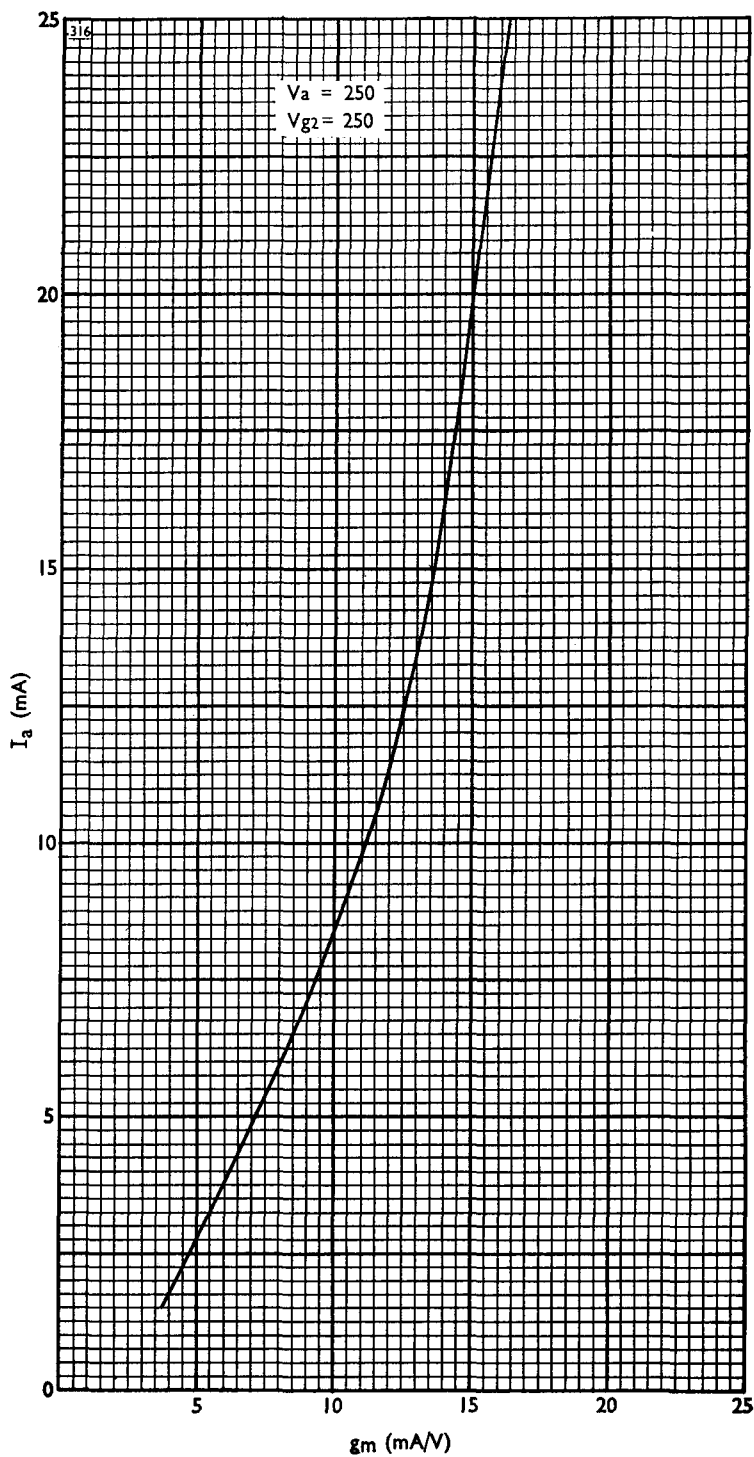
MICROPHONY

This type is free from microphony in most applications, but checks should be made under maximum gain conditions of the equipment.

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