

AMALGAMATED WIRELESS VALVE CO., LTD.

SYDNEY, AUSTRALIA

TYPE 6A68

TRIODE-HEXODE FREQUENCY CONVERTER

MECHANICAL DATA

Style	.....	miniature
Cathode	.....	coated, unipotential
Sulb	.....	T6½
Base	.....	Small button Noval 9 pin
Maximum overall length	.....	2½"
Maximum diameter	.....	7/8"
Basing	.....	8DU

Pin Connections:

- Pin 1 .. screen grid
- Pin 2 .. control grid
- Pin 3 .. cathode
- Pin 4 .. heater
- Pin 5 .. heater
- Pin 6 .. hexode plate
- Pin 7 .. triode grid and injection grid
- Pin 8 .. triode plate
- Pin 9 .. internal connection. Do not use.

ELECTRICAL DATA

RATINGS -- Design Center Values

Plate Voltage	.....	250 volts max.
Screen Voltage	.....	100 volts max.
Oscillator Plate Voltage	.....	100 volts max.
Cathode Current	.....	20 mA max.

TYPICAL OPERATION

Heater Voltage	.....	6.3 Volts
Heater Current	.....	0.3 approx. amp.
Hexode Plate Voltage	.....	250 Volts
Triode Plate Voltage	.....	100 Volts
Screen Grid Voltage	.....	75 Volts
Control Grid Voltage	.....	0 Volts
Oscillator Grid Voltage	.....	10 peak Volts
Oscillator Grid Resistor	.....	50,000 ohms
Hexode Plate Current	.....	4.5 mA

Screen Grid Current	.....	3.4 mA
Triode Plate Current	.....	4.5 mA
Conversion Conductance:	.....	
At $V_{g1} = 0$	.....	780 umhos
At $V_{g1} = 21$	.....	7.8 umhos
Plate Resistance	.....	0.7 Megohms