### SYDNEY, AUSTRALIA

# TYPE 6BV7

### DOUBLE DIODE POWER OUTPUT PENTODE

MECHANICAL DATA

Cathode coated, unipotential   Bulb r63   Base small button Noval 9 pin   Mounting Position Any   Maximum Overall Length 2=5/8"   Maximum Seated Length 2-3/8"   Length from Base Seat to Bulb 2" ± 3/32"   Maximum Diameter 7/8"   Basing 7/8"   Basing second from Plate   Pin 1 Diode Plate   Pin 2 Pentode Screen Grid   Pin 4 Heater   Pin 5 Heater   Pin 6 Diode Plate   Pin 7 Cathode and Pentode Suppressor Grid   Pin 8 Pentode Control Grid   Pin 9 cathode and Pentode Suppressor Grid	Stylo miniature									
Bulb										
Base										
Mounting Position	Base									
Maximum Seated Length2-3/8"Length from Base Seat to BulbTop (excluding tip)Top (excluding tip)2" ± 3/32"Maximum Diameter7/8"Basing*********************************	Mounting Position									
Length from Base Seat to Bulb Top (excluding tip)	Maximum Overall Length									
Top (excluding tip)2" ± 3/32"Maximum Diameter7/8"Basing*********************************	Maximum Seated Length									
Maximum Diameter 7/8"   Basing 950   Pin Connections: 950   Pin 1 Diode Plate 950   Pin 2 Pentode Plate 950   Pin 3 Pentode Screen Grid 950   Pin 4 Heater 950   Pin 5 Heater 950   Pin 6 Diode Plate 950   Pin 7 Cathode and Pentode Suppressor Grid 950   Pin 8 Pentode Control Grid 950	Length from Base Seat to Bulb									
Basing										
Pin Connections: Pin 1 . Diode Plate Pin 2 . Pentode Plate Pin 3 . Pentode Screen Grid Pin 4 . Heater Pin 5 . Heater Pin 6 . Diode Plate Pin 7 . Cathode and Pentode Suppressor Grid Pin 8 . Pentode Control Grid	Maximum Diameter									
Pin 1 . Diode Plate Pin 2 . Pentode Plate Pin 3 . Pentode Screen Grid Pin 4 . Heater Pin 5 . Heater Pin 6 . Diode Plate Pin 7 . Cathode and Pentode Suppressor Grid Pin 8 . Pentode Control Grid	Basing									
Pin 2 。 . Pentode Plate Pin 3 Pentode Screen Grid Pin 4 Heater Pin 5 Heater Pin 6 Diode Plate Pin 7 Cathode and Pentode Suppressor Grid Pin 8 Pentode Control Grid	-									
Pin 3 Pentode Screen Grid Pin 4 Heater Pin 5 Heater Pin 6 Diode Plate Pin 7 Cathode and Pentode Suppressor Grid Pin 8 Pentode Control Grid	Pin 1 。 。 Diode Plate									
Pin 4 Heater Pin 5 Heater Pin 6 Diode Plate Pin 7 Cathode and Pentode Suppressor Grid Pin 8 Pentode Control Grid	Pin 2 。。Pentodo Plate									
Pin 5 Heater Pin 6 Diods Plats Pin 7 Cathods and Pentods Suppressor Grid Pin 8 Pentods Control Grid	Pin 3 。 . Pentode Screen Grid									
Pin 6 Diode Plate Pin 7 Cathode and Pentode Suppressor Grid Pin 8 Pentode Control Grid	Pin 4 Heater									
Pin 7 Cathode and Pentode Suppressor Grid Pin 8 Pentode Control Grid	Pin 5 Heater									
Pin 8 Pentode Control Grid	Pin 6 . 。Diode Plate									
	Pin 7 Cathode and Pentode Suppressor Grid									
Pin 9 Cathode and Pentode Suppressor Grid	Pin 8 Pentode Control Grid									
	Pin 9 Cathode and Pentode Suppressor Grid									

**GENERAL CHARACTERISTICS** 

### ELECTRICAL

Heater, for Voltage Current	(A.C. or		• •						6.3 volta 0.8 amp.
Direct Interelectrodo Capacitances:*									

-		¢	ø	¢	0	٠	•	* * * *	•	•	٥	e	đ	¢	٠	
Output	0	Þ	۰	٥	٥	٥	o	0 0	9	٥	0	•	o	٥	۰	9.5 wif
Diode Unit:																
Diode (pin 1)	-	Di	od	9	(p:	in	6	) 。	٥	•	•		•		ð	.01 uuf. max.
Diodo (pin 6)	<b>c</b> 5	Pe	nte	ode	e l	PL	ate	Э. a	0	0	D	•	•	•	•	0.3 uuf. max.
Diode (pin 1)																0.7 uuf. max.
Diode (pin 6)	43	Pe	nt	ode	e (	dr:	٤đ	No.	1	•	a	0	0		٥	0.1 uuf. max.
Diode (pin 1)																0.1 uuf. max.

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*unshielded
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### ELECTRICAL DATA

### Pentode Unit

# A.F. Power Amplifier - Class Al

Maximum H	latin	gs, D	esig	n (	Cen	te	r	Va	ılı	ies	3:						
Plate	Volta	age	<b>9</b> 0	0	•	a	ø	0	o	0	0		0	o a	250	) max. v	olts
Grid I	io. 2	(Scr	een)	Ve	olt	ag	8	0	٥	o	٥	٥	•	0 Q	25(	) max. v	olts
Plate	Diss:	ipati	on o	D	•	•	•	٥	•	0	0	0		0 0	10	) max. v	<i>r</i> atts
Grid N	Io。 2	(Scr	een)	Di	lss	ip	at	i	'n	•	e	•	•	0 0	2	2 max. u	natis
Peak I	leate	r - C	atho	de	Vo	1t	ag	<b>;e</b>									
Heat	er N	egati	ve w	itł	l r	es	pe	ict	t								
te	Cat!	hode	00	0	•	•	•	0	•	0	•	•	e	• •	90	) max, v	rolts
Heat	er P	ositi	ve w	itł	ı r	69	pe	oct	5								
to	) Cati	hođe	<b>0</b> 0	۰	0	•	•	٠	٠	٩	•	۰	٠	0 O	90	) max. v	olts
Typical (	)pera	tion:															
Plate	Volt	ago	0	ċ	o	0	6	•	٥	•	٠	•	0	180	<b>ç</b> o	。 250	volts
Grid 1	Io。 2	(Scr	een)	Ve	<b>51</b> t	ag	8		¢	¢	0	0	0	180	c .	。 250	volts
																₀ <u>-</u> 5	
Peak I	I-F G	rid N	o. 1	¥.	blt	ag	e	0	0	•	0	0	٩	3.7	¢ •	. 4.3	volts
Zero-S	Sig. 🛛	Plate	Cur	rei	nt	-	0	•	0	ø	¢	0	o	20	• •	. 38	<b>n</b>
Zero-2	ig. (	Grid	No a	2 (	Jur	re	nt	;	٥	¢	¢	٥	٥	3.5		。 6.0	ma
Plate	Resi	stanc	e (a	rqq	tox	:)	•	•	÷	9	ę	۰	1	30,000	• •	a100,00	00 ohma
																. 10,00	
																. 8,00	
Load I																	
Load Max:		l Pow	er O	utr	out	,	6	0	G	¢	۰	٥		2°0	6 e	. 4.0	watts

# DIODE UNITS

Maximum Ratings, Plate Current	Design Center V (for each diode			1.0 max. ma.
Typical Operation Minimum diode of 10 volts is	current per pla	te with an	applied	d.c. voltage