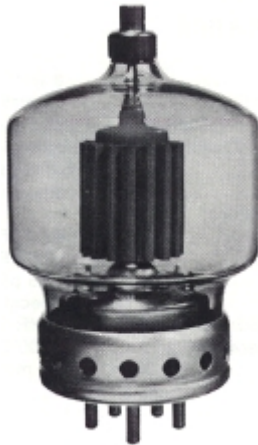




## TDP

TUBE 4-400A / 8438 / QB4/1100GA / RS 1002 A

## GENERAL DESCRIPTION



The 4-400A / QB4/1100GA / RS 1002 A is intended for use as amplifier, oscillator or modulator. The low grid-plate capacitance of this tetrode couples with the low driving power requirement allow considerable simplification of the associated circuit and driver stage.

The 4-400A / QB4/1100GA / RS 1002 A is cooled by radiation from the plate and by circulation of forced-air through the base, around the envelope, and over the plate seal. Cooling can be greatly simplified by using an SK-410 Air-System Socket and its accompanying glass chimney.

## TECHNICAL SPECIFICATIONS

Plate Dissipation (Max.)	400 watts
Screen Dissipation (Max.)	35 watts
Grid Dissipation (Max.)	10 watts
Frequency for Max. Ratings (CW)	110 MHz
Cooling	Radiation & Forced Air
Filament	Thoriated Tungsten
Voltage	5.0 volts
Current	14.7 amperes
Capacitances (Gnd. Cath. Connection)	12.5 pF
Input	4.7 pF
Output	0.12 pF
Feed-through	
Amplification Factor ( $g_1-g_2$ )	5.1
Transconductance	4000 mhos
Base	5-Pin Special
Recommended Air-System Socket	SK-410
Recommended Air Chimney	SK-406
Recommended Heat Dissipating Connector	HR-6

Maximum Plate Seal Temperature 225°C  
 Maximum Base Seal Temperature 200°C  
 Maximum Length 6.38 in; 162.00 mm  
 Maximum Diameter 3.56 in; 90.40 mm  
 Weight (approximate) 9.0 oz; 255 gm  
 Operating Position Vertical, base up or down

Specifications may change without notice

THIS TUBE IS USED IN THE FOLLOWING SHORTWAVE BROADCAST TRANSMITTERS

Manufacturer	Transmitter specifications	Power in kW
CCA Electronics	AM 5,000F	5
	AM 10,000F	10
	AM 15,000F	15
Collins	207A-1	10
	AN/FRT-5	15
	207B-1	35
Elcor	AN/FRT-6	40
	SW-1 K	1
RCA	BHF-1A	1

THIS TUBE IS AVAILABLE FROM

Manufacturer	Rebuilder	Distributor
Covimag		Richardson Electronics
Penta Laboratories		Thomas J. Bruckner
Triton ETD		Vacuum Tubes, Inc.

PRICE LEVEL (US\$)

1	2	3	4	5	6
0 - 10	10 - 100	100 - 1000	1000 - 10,000	10,000 - 50,000	50,000 - 100,000

2 3 4 5 6 8 BY C F ML Q RS TH YL

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