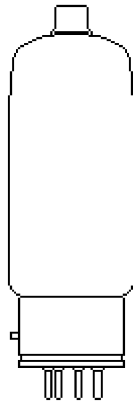




TDP
TUBE 813 / QB2/250

GENERAL DESCRIPTION



The 813 / QB2/250 is a five-electrode beam-power transmitting tube of high sensitivity, designed for use as a modulator, amplifier, and oscillator. The anode is capable of dissipating 125 watts. The cathode is a thoriated-tungsten filament. Maximum ratings apply up to a frequency of 30 megacycles. Cooling is obtained by radiation. For continuous commercial service the output for Class C telegraph service is 275 watts. With adequately shielded circuits neutralization is unnecessary.

TECHNICAL SPECIFICATIONS

ELECTRICAL

	Min.	Bogey	Max.	
Filament Voltage	9.5	10	10.5	volts
Filament Current at Bogey Voltage	4.7	5	5.3	amp
Transconductance	3750	mhos		
Amplification factor	8.5			
Interelectrode Capacitances, measured without external shielding			0.25	f
G ₁ to Plate	13	16.3	19.6	f
Input, G ₁ to Filament, G ₂ and G ₃	10.5	14	17.5	f
Output, plate to filament, G ₂ and G ₃				

MECHANICAL

Mounting Position	Vertical, base up or down Horizontal, plate in vertical plane
Basing	JETEC 5BA
Cap, medium	JETEC C1-5
Base, medium metal-shell, giamt 7-pin bayonet	JETEC A7-17
Bulb	T-20
Net Weight, approximate	8 oz.

Shipping Weight 2.5 lbx
 Specifications may change without notice

THIS TUBE IS USED IN THE FOLLOWING SHORTWAVE BROADCAST TRANSMITTERS

Manufacturer	Transmitter specifications	Power in kW
Gates	HF-50 C	50
	HF-100 C	100
GEC-Marconi	BD 272	250
	BHF-10A	10
RCA	BHF-50A	50
	BHF-50B	50

THIS TUBE IS AVAILABLE FROM

Manufacturer	Rebuilder	Distributor
Penta Laboratories		Richardson Electronics Thomas J. Bruckner 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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Home Stations	Airtime TDP	Antennas TDPradio	DRM Airtime Transmitters	DRM Stereo Tubes
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