

TB5/2500 (TB5-2500) is a medium power, glass triode, intended for use in radio frequency heating equipments as oscillator. Max frequency: 50MHZ, max plate dissipation: 800W.

Anode Output power	2700	W
Anode efficiency	77.7	%

### General Characteristics

Filament voltage	6.3	V
Filament current	32.5	A
Filament surge current	49	A
Interelectrode capacitance		
Grid-Anode	6.2	pF
Grid-Cathode	10.5	pF
Anode -Cathode	0.25	pF
Amplification factor		22
Transconductance	51	mA/V
Operating position	Vertical, anode up or down	
Cooling	Radiation or forced air	
Temperature at seal, max	200	°C
Net weight	0.6	kg

### Maximum ratings

Operating frequency	50	MHz
Anode voltage	6	KV
Grid bias	-800	V
Anode dissipation power	0.8	kW
Grid dissipation	120	W
Anode current	750	mA
Grid current	300	mA

### Typical operation

#### Class C Radio Frequency Oscillator

Anode voltage	5	kV
Anode current	669	mA
Grid bias voltage	-360	V
Driving voltage, max	650	V
Grid current	134	mA
Anode load resistance	3879	Ω
Grid bias resistance	2700	Ω
Anode dissipation	745	W



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