

# Shuguang Vacuum Tube 811

## Emitter Tube: 811 (FU-811)

*Compatible with: UY-807*

### DESCRIPTION

Direct heating, thorium cathode, high gain triode 811 can be used in wireless equipment for power amplification.



**SPECIFICATION**

**Filament Heating**

U<sub>f</sub> .....6.3V  
 I<sub>f</sub>.....4A

**Maximum Ratings**

Plate voltage.....1250V  
 Plate power dissipation.....40W  
 Plate current.....125mA  
 Grid current.....50mA

**Capacitance**

Input capacitance.....5.5pF  
 Output capacitance.....0.6pF  
 Muller capacitance.....5.5pF

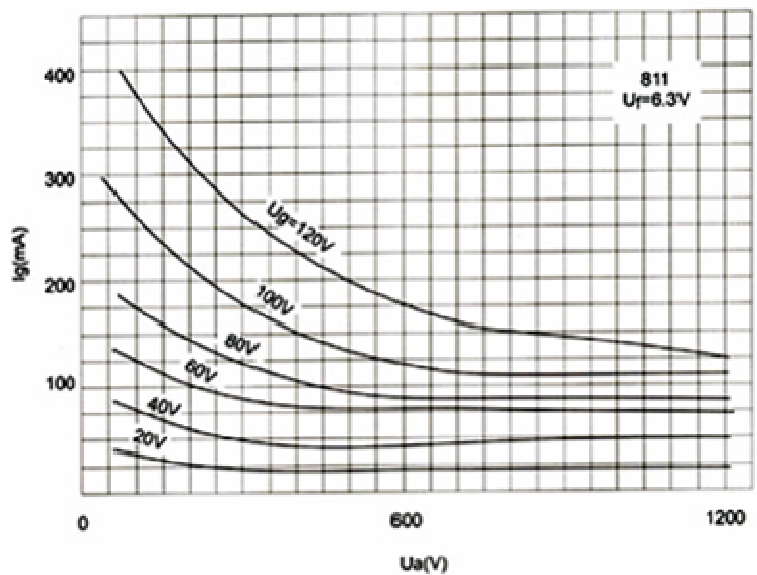
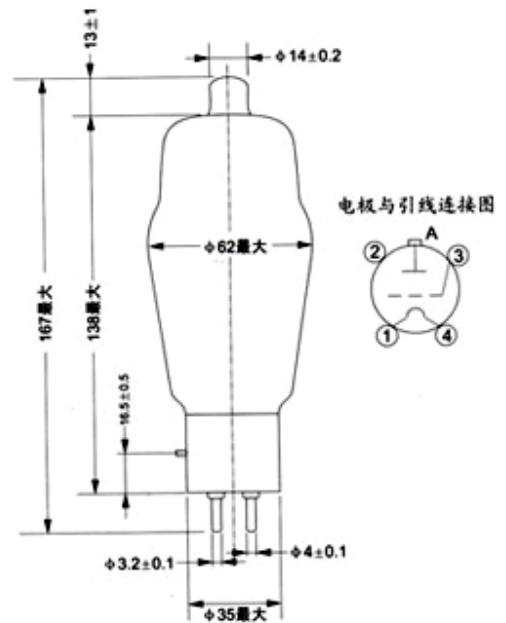
**DC Parameters**

U<sub>a</sub>.....2000V  
 -U<sub>g</sub>.....2V  
 I<sub>a</sub>.....26mA  
 u(when I<sub>a</sub>=20mA)....160mA

**Recommended Operating Condition**

(suggested value)  
 Class B A-F power amplification or modulation,  
 for grid trigger, maximum ratings  
 CCS ICAS

U<sub>a</sub>.....1250 1500V  
 I<sub>a</sub>(max.sig).....175 175mA  
 P<sub>a</sub> .....45 65 W  
 P<sub>a</sub>(in)(max.sig).....165 235 W



For two tubes (suggested value)

	CCS ICAS
Ua.....	1250 1500V
Ug.....	0 -4.5V
Ia(0).....	50 32mA
Ia(max.sig).....	260 313mA
üg(pk).....	145 170 V
Pd(max.sig).....	3.8 W 4.4W
RL(a-a).....	12.4 12.4 kΩ
Pout(max.sig).....	235 340 W

Class C R-F power amplification or oscillation, maximum ratings for other operating

	CCS ICAS
Ua.....	1250 1500 V
Ia.....	175 175mA
Pa.....	45 65 W
Pa(in).....	175 260 W
Ug.....	-200 -200 V
Ig.....	.55 50mA

Class C R-F amplification and plate amplification and modulation

	CCS ICAS
Ua.....	1000 1250 V
Ia.....	125 150 mA
Pa.....	30 45 W
Pa(in).....	115 175 W
Ug.....	-200 -200 V
Ig.....	.50 50 mA

CCS : continuous operating  
ICAS : Interrupt operating

