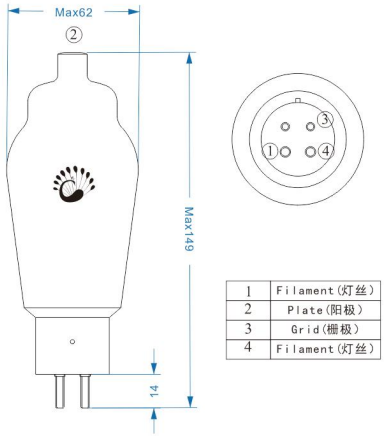
811A is direct-heated type thorium tungsten cathode high μ triode, can be used as high-frequency oscillation power amplification.
811 is similar to 811A, they can be exchanged each other.

Heater
Uf----------6.3 V
If----------4 A
Maximum Rating
Ua----------1250 V
Ia----------125 mA
Pa----------40W
grid current----------50 mA
Operating frequency and Ua
When the operating frequency above 30MC, Ua and anode input power should be reduced as follows:
Operating frequency(MC) Ua and anode input power
60 89%
80 70%
100 55%
When it is in constant working, the anode should not be allowed to have slight red; when in interrupted working, it should only be allowed to have perceptible slight red.
Direct Interelectrode Capacitances
Input----------5.5 PF
output----------0.6 PF
Grid to plate……..5.5 PF
Static parameter:
Ua…….2000 V
-Ug……...2 V
Ia……26 mA
μ(Ia=20mA)……..160



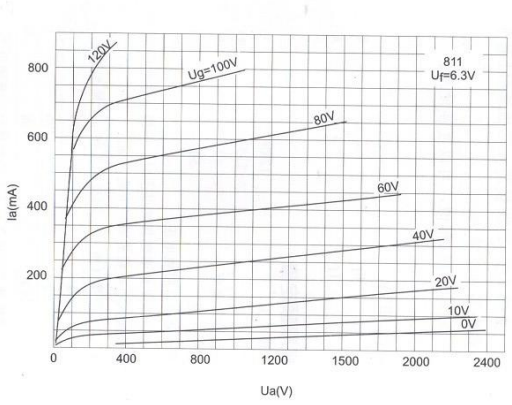
Maximum rating in other operating conditions
R-F power amplifier or oscillation, C amplifier (CW)

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

C amplifier anode-modulation, R-F power amplifier

	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: constant working
ICAS: interrupted working



A-F power amplifier or oscillation
B amplifier, grid driving

	Maximum Rating CCS	ICAS	
Ua……	1250	1500	V
Ia (max. sig)…….	175	175	mA
Pa……	45	65	W
Pa (in) (max. sig)……	165	235	W

Recommended operating condition (Reference value)
(The value of two tubes)

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