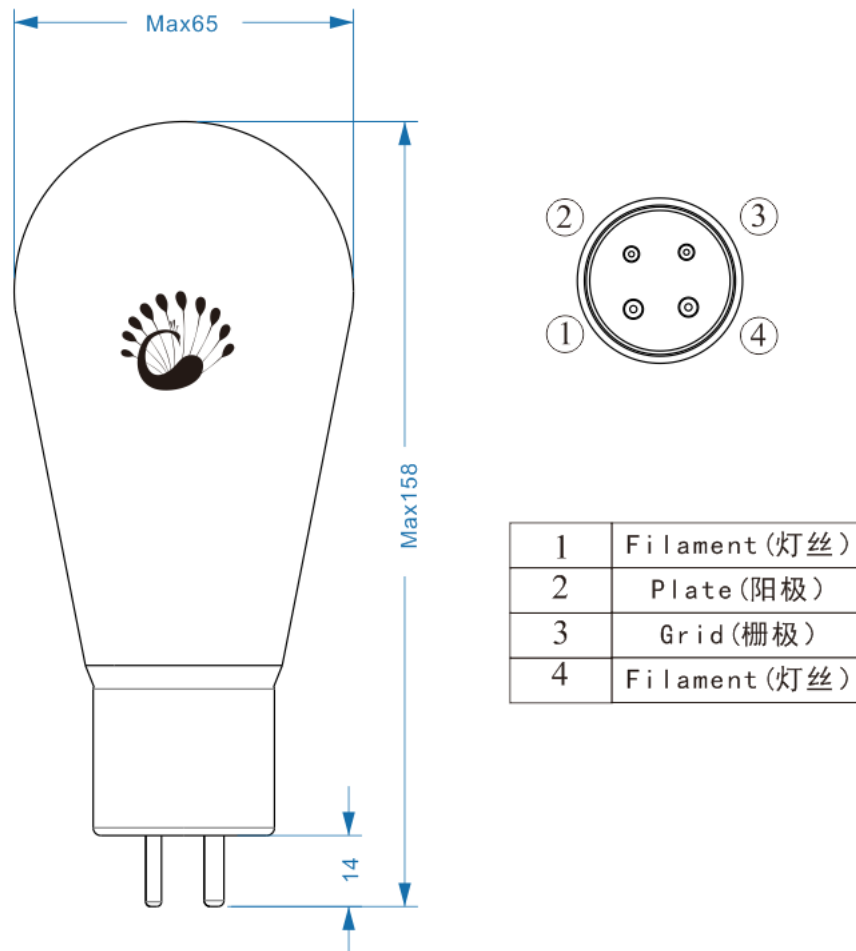


300BN is an item of HIFI Series, with the tube department of this type all adopt screen structure, lifting hook filament, gold plated pins, and the essential of tubes transplant technologies of producing PSVANE Reproducing Western Economics, it is the mid-priced 300B tube item with great cost performance.



300B-N is directly-heated type cathode triode, used as class A1. In audio amplifier it suits for the condition that the output power is 10W.

Heater

$U_f(\text{DC})$5V

$I_f(\text{DC})$ 1.2A

Maximum Rating

U_a480V

P_a40W

I_k

with cathode bias.....100 mA

with fixed bias.....70 mA

Direct Interelectrode Capacitances

input.....9PF
output.....4.3PF
grid to plate.....15PF

Static parameter

Ua.....300V
-Ug..... 60V
Ia.....60mA
Gm.....5.5mA/V
ri.....0.7 KΩ
u3.85
Pout.....6.6W

typical workong parameter

aodio amplifier

class A1

Ua -Ug Ia RL Pout 2nd

V V mA Ω W db

200 42 30 2000 3 20
200 39 40 2500 2.6 26
250 55 30 2000 4.9 18
250 52 40 3000 4.0 26
250 50 50 2500 4.4 26
250 48 60 2000 4.7 26
250 48 60 2700 4.1 30
250 45 80 1500 5.0 26
300 65 40 2500 6.7 20
300 63 50 2000 7.2 21
300 63 50 3000 6.1 26
300 61 60 2400 6.6 26
300 58 80 1700 7.5 26
350 76 50 3600 7.8 26
350 74 60 2000 10.2 21
350 74 60 3000 8.3 26
350 74 60 4000 7.0 30
350 71 80 2200 9.6 26
400 91 40 5000 8.4 26
400 89 50 1000 11.5 21
400 89 50 4000 9.4 25
400 87 60 3500 10.5 26
400 84 80 2500 12.5 25
450 104 40 6000 9.5 26
450 102 50 5000 10.7