

Datasheet

RS Pro 12AT7 Double Triode Valve, B9A Base, 2.5W, 6.3, 12.6V, 22.5 Dia x 57mm

RS Stock No: **678-4101**



Product Details

RS Pro double triode thermionic valve or vacuum tube is suitable for use in audio frequency amplifiers. It has B9A base type. It has an anode power rating of 2.5 W and voltage rating of 300 V. This thermionic valve withstand the heater current of 0.15 and 0.3 A and heater voltage of 6.3 V and 12.6 V.

Features and Benefits

- Classic thermionic valves
- For use in audio frequency amplifiers
- B9A base type

**Specifications:**

Anode Power	2.5 W
Base Type	B9A
Body Length	50 mm
Diameter	22.5 mm
Dimensions	22.5 (dia.) x 57 mm
Heater Current	0.15 A, 0.3 A
Heater Voltage	12.6 V, 6.3 V
Mounting Type	PCB Mount
Overall Length	57 mm
Pin Count	9
Voltage Output	300 V

Particulars High μ twin triodes 9 GT enlarges the voltage and driving power when working in magnify circuit.

12AT7 is the same with ECC81、6201、GT-12AT7, and they can be exchanged each other

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heater voltage	
U _H	6.3(paralleling) 12.6(serial) V
I _H	0.30 0.15 V
A1 actinomycte magnify limit value(each side)	
plate voltage.....	300V
grid voltage.....	-50V
plate dissipation power.....	2.5V
heatervoltage betw een cathodes (pk)	$\pm 90V$
grid resistance	
when it is self-partial	
voltage.....	1M Ω
when it is fixup partial	
voltage.....	0.25M Ω
capacitance betw een poles	
grid-grid.....	0.005PF
anticathode-anticathode.....	0.4PF
grid-anticathode(each side).....	1.5PF
grid-cathode、heater(each side).....	2.2PF
anticathode-cathode、heater(each side).....	0.5PF
heater-cathode(each side).....	2.4PF
anticathode-cathode(each side).....	0.2PF
cathode-heater、grid(each side).....	4.6PF
anticathode-heater、grid(each side).....	1.8PF
static state parameter	
U _a	100 250 V
I _a	3.7 10 mA
G _m	4 5.5 mA/V
R _k	270 200 Ω
μ	60 60
R _i (approx).....	15 10.9 k Ω
U _g	-5 -12 V
(when I _a =10 μ A)	

