



ELECTRONIC TUBE REFERENCE

ECC807

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Brimar ECC807 high-gain low-hum dual triode designed for low-level audio preamplifier stages, with 6.3 V, 0.3 A heater.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B9A	BASE PINS	9
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0024 S
AMPLIFICATION FACTOR	150
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	1 W
MAXIMUM CATHODE CURRENT	8 mA
Brimar 1964 each section: max anode voltage 300 V (550 V at zero current), max heater-cathode 150 V, max negative grid 50 V; typical V_a 250 V, V_g -1.5 V, I_a 1.3 mA, g_m 2.4 mA/V, μ 150. Input 2.0 pF, output 1.35 pF, anode-grid 2.3 pF	

SECTION2 Triode	
TRANSCONDUCTANCE	0.0024 S
AMPLIFICATION FACTOR	150
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	1 W
MAXIMUM CATHODE CURRENT	8 mA
<i>Brimar 1964 each section: max anode voltage 300 V (550 V at zero current), max heater-cathode 150 V, max negative grid 50 V; typical V_a 250 V, V_g -1.5 V, I_a 1.3 mA, g_m 2.4 mA/V, μ 150. Input 2.0 pF, output 1.35 pF, anode-grid 2.3 pF.</i>	

SOURCE OPERATING CONDITIONS

9999 Mixed 2000

Published test conditions and operating points. Values on this page are preserved as reported by this source.

9999 MIXED 2000

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	Typical anode voltage; Brimar ECC807
Control-grid voltage	-1.5 V	Typical grid voltage; Brimar ECC807
Plate current	1.3 mA	Typical anode current; Brimar ECC807

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	2400 μ S	Mutual conductance; Brimar ECC807

9999 MIXED 2000

Section 2 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	Typical anode voltage; Brimar ECC807
Control-grid voltage	-1.5 V	Typical grid voltage; Brimar ECC807
Plate current	1.3 mA	Typical anode current; Brimar ECC807

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	2400 μ S	Mutual conductance; Brimar ECC807

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