



ELECTRONIC TUBE REFERENCE

6158

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Brimar 6158 (CV4068) rugged low-microphonic medium-mu dual triode for stable DC amplification and Class B push-pull audio, with series/parallel heater.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	6.3 V / 600 mA
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION0 Triode	
PLATE RESISTANCE	14000 Ω
TRANSCONDUCTANCE	0.00235 S
AMPLIFICATION FACTOR	32
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	5 W
MAXIMUM CATHODE CURRENT	35 mA
Brimar 6158 CV4068 physical triode section 1. Max plate 300 V, plate dissipation 5 W, cathode current 35 mA, negative grid 75 V magnitude, average grid current 7 mA. Zero-current plate 500 V is separate rating. At V_a 250 V V_g -4.6 V: I_a 6 mA typ (3.5-8.5), μ 32 typ (27-37), g_m 0.00235 A/V typ (0.0017-0.0030), r_p 14000 Ω typ. Input C 2.2 pF, output 2.0 pF, C_{gp} 1.9 pF, Ch_k 4.9 pF. Push-pull pair Class B 6.7 W output combined, not per section.	

SECTION1 Triode	
PLATE RESISTANCE	14000 Ω
TRANSCONDUCTANCE	0.00235 S
AMPLIFICATION FACTOR	32
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	5 W
MAXIMUM CATHODE CURRENT	35 mA
<i>Brimar 6158 CV4068 physical triode section 2. Max plate 300 V, plate dissipation 5 W, cathode current 35 mA, negative grid 75 V magnitude, average grid current 7 mA. Zero-current plate 500 V is separate rating. At V_a 250 V V_g -4.6 V: I_a 6 mA typ (3.5-8.5), μ 32 typ (27-37), gm 0.00235 A/V typ (0.0017-0.0030), rp 14000 Ω typ. Input C 2.2 pF, output 2.0 pF, C_{gp} 1.9 pF, Chk 4.9 pF. Push-pull pair Class B 6.7 W output combined, not per section.</i>	



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

9999 Mixed G 2000

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

9999 MIXED G 2000

Section 0 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	300 V	Maximum plate voltage section 1
Heater/filament voltage	6.3 V	Parallel heater voltage
Heater/filament current	600 mA	Parallel heater current

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Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	300 V	Maximum plate voltage section 2
Heater/filament voltage	12.6 V	Series heater voltage
Heater/filament current	300 mA	Series heater current

TUBE TINKER

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