



ELECTRONIC TUBE REFERENCE

PCC89

Voltage - Dual Triode (similar high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Variable-mu frame-grid double triode designed for gain-controlled cascode VHF television amplification to approximately 220 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B9A	BASE PINS	9
NOMINAL HEATER	7.5 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	2900 Ω
TRANSCONDUCTANCE	0.0123 S
AMPLIFICATION FACTOR	36
MAXIMUM PLATE VOLTAGE	130 V
MAXIMUM PLATE DISSIPATION	1.8 W
MAXIMUM CATHODE CURRENT	18 mA
Representative data apply to each triode section; identical-section compression used.	

SECTION2 Triode	
PLATE RESISTANCE	2900 Ω
TRANSCONDUCTANCE	0.0123 S
AMPLIFICATION FACTOR	36
MAXIMUM PLATE VOLTAGE	130 V
MAXIMUM PLATE DISSIPATION	1.8 W
MAXIMUM CATHODE CURRENT	18 mA
<i>Second physical triode section; added to align rows with SectionCount.</i>	

DualTriode; electrical ratings and operating data extracted from the supplied Mullard datasheet.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Ferranti Technical Handbook

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

1961 FERRANTI TECHNICAL HANDBOOK

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	7 V	—
Heater Current	300 mA	—
Maximum Intended Frequency	220 MHz	CascodeRFamplifier



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Mullard

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

1963 MULLARD

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	7.5 V	—
HeaterOrFilamentCurrent	300 mA	—
Plate Voltage	90 V	—
Plate Current	15 mA	—
Grid Voltage	-1.2 V	—
Transconductance	12.3 mA/V	—
Plate Resistance	2.9 kohm	—
Amplification Factor	36	—
MaximumOperatingFrequency	220 MHz	—

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1967 Mullard Receiving and Amplifying Valves

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

1967 MULLARD RECEIVING AND AMPLIFYING VALVES

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	90 V	EachSection
Plate current	15 mA	EachSection
Grid voltage	-1.2 V	EachSection
Transconductance	12300 μ S	EachSection
Plate resistance	2.9 k Ω	EachSection
Amplification factor	36	EachSection

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate-grid capacitance	1.9 pF	GroundedCathode
Grid input capacitance	3.8 pF	GroundedCathode
Plate output capacitance	2.5 pF	GroundedCathode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	130 V	EachSection
Maximum plate dissipation	1.8 W	EachSection
Maximum cathode current	18 mA	EachSection

1973 Mazda Valves Binder 2

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

1973 MAZDA VALVES BINDER 2

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	7.5 V	Published nominal value
Heater current	300 mA	Published nominal value
Transconductance	12300 μS	Published operating characteristic

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	1.8 W	Published maximum rating

TUBE TINKER

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