



ELECTRONIC TUBE REFERENCE

PC900

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

300 mA series-heater VHF neutrode triode for television RF tuner amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	MINIATURE 7P	BASE PINS	7
NOMINAL HEATER	3.9 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	5250 Ω
TRANSCONDUCTANCE	0.0145 S
AMPLIFICATION FACTOR	76
MAXIMUM PLATE VOLTAGE	550 V
MAXIMUM PLATE DISSIPATION	2.2 W
MAXIMUM CATHODE CURRENT	20 mA
Published ratings and characteristics promoted from the approved English source.	

300 mA series-heater VHF neutrode triode; the source refers to EC900 for remaining characteristics.

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

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
c	0.35 pF	Published in approved PC900 target datasheet entry; Section1

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
(c a _k+h+s 3	0 pF	Published in approved PC900 target datasheet entry; Section1
c 4	5 pF	Published in approved PC900 target datasheet entry; Section1
c	0.08 pF	Published in approved PC900 target datasheet entry; Section1
c	3.3 pF	Published in approved PC900 target datasheet entry; Section1
c <7	0 pF	Published in approved PC900 target datasheet entry; Section1
c 2	3 pF	Published in approved PC900 target datasheet entry; Section1
I 16 .5 11.5 16	5 mA	Published in approved PC900 target datasheet entry; Section1
gm 20 14. 5	20 mA	Published in approved PC900 target datasheet entry; Section1

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
gm 14	5 mA	Published in approved PC900 target datasheet entry; Section1



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 Mazda Belvu

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

1968 MAZDA BELVU

Section 1 · Triode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	3.9 V	Published nominal or stated operating value
Heater or filament current	300 mA	Published nominal or stated operating value
Transconductance	14500 μ S	Published/reference characteristic

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	2.2 W	Published/reference maximum rating



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1972 Philips Receiving Tubes

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

1972 PHILIPS RECEIVING TUBES

Section 1 · Triode

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	VHFRFAmplifier text	—



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	3.9 V	Published nominal value
Heater current	300 mA	Published nominal value
Transconductance	14500 μ S	Published operating characteristic

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	2.2 W	Published maximum rating



SOURCE DATA APPENDIX

1999 Philips E-Z

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

1999 PHILIPS E-Z

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical plate voltage	135 V	—
Typical grid voltage	-1 V	—
Typical plate current	11.5 mA	—
Transconductance	14500 μ S	—
Amplification factor	76	—
Plate resistance	5241 ohm	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-to-all-except-grid capacitance	3 pF	—
Grid-to-all-except-anode capacitance	4.5 pF	—
Anode-grid capacitance	0.365 pF	—
Anode-cathode capacitance	0.08 pF	—
Grid-cathode capacitance	3.3 pF	—
Cathode-heater capacitance	2.3 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating transconductance maximum	20000 uS	PlateSupply=135V