

ELECTRONIC TUBE REFERENCE

H610

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

High-magnification directly heated triode for detector or initial low-frequency amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6 V / 100 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	60000 Ω
TRANSCONDUCTANCE	0.00066 S
AMPLIFICATION FACTOR	40
MAXIMUM PLATE VOLTAGE	150 V
Published maximum ratings and characteristics audited; remaining useful numerical data retained in parameter table.	

High-magnification valve for detector or initial low-frequency amplifier service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

192X Marconi Valve

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

192X MARCONI VALVE

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published operating data	See source	Operating curves/table are present on the approved one-page source; values not promoted unless unambiguous in searchable text.



SOURCE OPERATING CONDITIONS

1955 Marconi

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

1955 MARCONI

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
S [1]	610	S 610, Screen Grid, 20/- MARCONI
S [2]	20	S 610, Screen Grid, 20/- MARCONI
S6	10	S610 is a high efficiency screen grid
single H.F. stages and in multi-valve L L FAMENT CURRENT	1 A	single H.F. stages and in multi-valve L L FAMENT CURRENT 01 AMP
instruments. ANODE VOLTS (Ea) /	50	instruments. ANODE VOLTS (Ea) /50 HA
IMPEDANCE	200 ohm	IMPEDANCE 200.000 OHMS
MUTUAL CONDUCTANCE	103 mA/V	MUTUAL CONDUCTANCE 103 MaF¥OLT -
SCREEN GRID VOLTS (Esc)+	80	SCREEN GRID VOLTS (Esc)+80

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
FILAMENT CURRENT 0 [1]	1 mA	FILAMENT CURRENT 0-1 AMPERE ["1Filament vous 60 mMax, I
FILAMENT CURRENT 0 [2]	1 mA	FILAMENT CURRENT 0-1 AMPERE ["1Filament vous 60 mMax, I
FILAMENT CURRENT 0 [3]	60 mA	FILAMENT CURRENT 0-1 AMPERE ["1Filament vous 60 mMax, I
AI;I%DEI(;/((('JLTS 'gflb) [1]	150	AI;I%DEI(;/((('JLTS 'gflb) 150 MAX. / P~ FILAMENT CU}?RE(NT 01 AMPERE
AI;I%DEI(;/((('JLTS 'gflb) [2]	1	AI;I%DEI(;/((('JLTS 'gflb) 150 MAX. / P~ FILAMENT CU}?RE(NT 01 AMPERE
AT EAI00 anp EG	0	AT EAI00 anp EG.0 [ANODE VOLTS (Ea) ISO MAX _
Lt IMPEDANCE ~ [1]	60 ohm	Lt IMPEDANCE ~ 60.000 OHMS A[™[™ AMPLIFICATION FACTOR 30] 1
Lt IMPEDANCE ~ [2]	30 ohm	Lt IMPEDANCE ~ 60.000 OHMS A[™[™ AMPLIFICATION FACTOR 30] 1
Lt IMPEDANCE ~ [3]	1 ohm	Lt IMPEDANCE ~ 60.000 OHMS A[™[™ AMPLIFICATION FACTOR 30] 1
W MUTUAL CONDUCTANCE [1]	-66 mA/V	W MUTUAL CONDUCTANCE -66 MA/VOLT y Lanl— MPEDANCE 30,000 OttMs -1 1300
W MUTUAL CONDUCTANCE [2]	30000 mA/V	W MUTUAL CONDUCTANCE -66 MA/VOLT y Lanl— MPEDANCE 30,000 OttMs -1 1300
W MUTUAL CONDUCTANCE [3]	-1 mA/V	W MUTUAL CONDUCTANCE -66 MA/VOLT y Lanl— MPEDANCE 30,000 OttMs -1 1300
W MUTUAL CONDUCTANCE [4]	1300 mA/V	W MUTUAL CONDUCTANCE -66 MA/VOLT y Lanl— MPEDANCE 30,000 OttMs -1 1300

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker