



ELECTRONIC TUBE REFERENCE

DH63

Voltage - Triode (with diode, heptode or hexode) electronic tube

CONSOLIDATED TECHNICAL
DATA

3 SECTIONS

CONSTRUCTION

DIODE-DIODE-TRIODE

Double-diode triode for radio receiver detection, automatic-volume-control generation, and resistance-coupled low-frequency amplification. The tube integrates detector and control rectifiers with the first audio-frequency voltage-amplifier stage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode

No fixed ratings recorded.

Triode section. Diode ratings and capacitances are retained in parameters because only one representative technical section row is emitted in this compact extraction. Marconi DH63 double-diode triode used for detection, automatic volume control, and resistance-coupled first audio amplification. Datasheet 340 V is a typical anode SUPPLY voltage, not an explicitly specified absolute maximum plate voltage. Interelectrode capacitances are published, including triode anode-grid 1 pF, grid-earth 2.6 pF, anode-earth 6.2 pF.

SECTION2 Diode

No fixed ratings recorded.

Physical diode section added during approved section-structure reconciliation.

SECTION3 Diode

No fixed ratings recorded.

Physical diode section added during approved section-structure reconciliation.

The Marconi DH63 is a octal double-diode-triode for detection, avc, and resistance-coupled low-frequency amplification.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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
Heater voltage	6.3 V	—
Triode maximum plate voltage	340 V	TriodeSection
Typical stage gain maximum	32 x	—

CONSTRUCTION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Physical diode count	2	—
Physical triode count	1	—

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Primary application	Detection, AVC, and resistance-coupled LF amplification	—

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Triode anode-grid capacitance	1 pF	—
Triode grid-earth capacitance	2.6 pF	—
Triode anode-earth capacitance	6.2 pF	—
Diodes-earth capacitance	7.8 pF	—

TUBE TINKER

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

