ELECTRONIC TUBE REFERENCE

DH719

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

CONSOLIDATED TECHNICAL DATA

4 SECTIONS

CONSTRUCTION

DIODE-DIODE-DIODE-TRIODE

Triple-diode-triode for FM and FM/AM receiver detector and amplifier service, combining three diode sections with one triode.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	–
NOMINAL HEATER	6.3 V / 450 mA	**PARALLEL HEATER**	– / –
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Dissimilar

Section ratings

SECTION1 Triode

PLATE RESISTANCE	48000 Ω
TRANSCONDUCTANCE	0.00145 S
AMPLIFICATION FACTOR	70
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	1 W

Triode section. Diode ratings and capacitances are retained in parameters because only one representative technical section row is emitted in this compact extraction.

SECTION2 Diode

MAXIMUM CATHODE CURRENT	10 mA

Physical diode section; Marconi source specifies diode PIV 350 V and maximum current 10 mA.

SECTION3 Diode

MAXIMUM CATHODE CURRENT	10 mA

Physical diode section; Marconi source specifies diode PIV 350 V and maximum current 10 mA.

SECTION4 Diode

MAXIMUM CATHODE CURRENT	10 mA

Physical diode section; Marconi source specifies diode PIV 350 V and maximum current 10 mA.

The Marconi DH719 is a triple-diode-triode for fm and fm/am receiver detector and amplifier service.

SOURCE OPERATING CONDITIONS

1955 Marconi

SOURCE PDF

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**	—
Heater current	**450 mA**	—
Triode maximum plate voltage	**300 V**	TriodeSection
Diode peak inverse voltage	**350 V**	DiodeSections
Diode current maximum	**10 mA**	DiodeSection

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Triode amplification factor	**70**	TriodeSection
Triode transconductance	**1450 uS**	TriodeSection
Triode plate resistance	**48000 ohm**	TriodeSection

CONSTRUCTION		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Physical diode count	**3**	—
Physical triode count	**1**	—

TUBE TINKER

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