



ELECTRONIC TUBE REFERENCE

B719

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Marconi RF double triode designed for FM receiver front ends, combining RF amplifier and mixer service around the FM broadcast frequency range.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 435 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	9700 Ω
TRANSCONDUCTANCE	0.006 S
AMPLIFICATION FACTOR	60
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	2.5 W
Representative section for two equal triode systems.	

SECTION2 Triode	
PLATE RESISTANCE	9700 Ω
TRANSCONDUCTANCE	0.006 S
AMPLIFICATION FACTOR	60
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	2.5 W
<i>Second physical triode restored under current one-row-per-physical-section policy.</i>	

The Marconi B719 is a rf double triode for fm receiver amplifier and mixer service.

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	—
Heater current	435 mA	—
Maximum plate voltage	300 V	—
Maximum plate dissipation per section	2.5 W	—
Typical RF test frequency	100 MHz	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	60	—
Transconductance	6000 μ S	—
Plate resistance	9700 ohm	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-plate capacitance	1.5 pF	—
Grid-cathode capacitance	0.18 pF	—
Plate-cathode capacitance	0.04 pF	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
FM receiver application	RF amplifier and mixer	—

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