ELECTRONIC TUBE REFERENCE

ECC83MG

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
TRIODE-TRIODE

High-mu twin triode for low-level audio voltage amplification, a modern ECC83-family variant intended for preamplifier and other high-gain small-signal applications.

General characteristics

BASE DESIGNATION	_	**BASE PINS**	9
NOMINAL HEATER	12.6 V / 150 mA	**PARALLEL HEATER**	6.3 V / 300 mA
HEATING	Indirect	**SERIES OPERATION**	Capable
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Triode

PLATE RESISTANCE	62500 Ω
TRANSCONDUCTANCE	0.0016 S
AMPLIFICATION FACTOR	100
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	1 W
MAXIMUM CATHODE CURRENT	8 mA

Representative section for two electrically identical sections.

SECTION2 Triode

PLATE RESISTANCE	62500 Ω
TRANSCONDUCTANCE	0.0016 S
AMPLIFICATION FACTOR	100
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	1 W
MAXIMUM CATHODE CURRENT	8 mA

Second physical triode restored.

> High-mu audio-frequency double triode in MG construction; also designated ECC83MG. Printed co-designation record duplicated from 12AX7MG.

SOURCE OPERATING CONDITIONS

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SOURCE PDF

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

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Section 1 · Triode

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Rg	**2.2 MΩ**	Published value

CHARACTERISTICS		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Ua	**250 V**	Published value
Ug	**-2 V**	Published value
Ia	**1.2 mA**	Published value
S	**1600 µS**	Published value
Ri	**62.5 kΩ**	Published value
µ	**100**	Published value

CAPACITANCE		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
cg/k	**1.6**	Published value
ca	**0.4**	Published value
cg/a	**1.7**	Published value

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