



ELECTRONIC TUBE REFERENCE

7EK7

Voltage - Dual Triode (similar high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Twin triode intended for cascode-style high-frequency amplifier service, providing two triode sections suited to RF front-end amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	7 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0086 S
AMPLIFICATION FACTOR	26
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	16 mA
<i>Grounded-cathode input section in VHF cascode RF amplifier. Ediswan/Mazda 7EK7: plate voltage maximum 250 V, plate dissipation maximum 2 W per section, cathode current maximum 16 mA per section. Published typical cascode operating conditions depend on circuit bias configuration.</i>	

SECTION2 Triode	
TRANSCONDUCTANCE	0.0086 S
AMPLIFICATION FACTOR	26
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	16 mA
<i>Grounded-grid output section in VHF cascode RF amplifier. Ediswan/Mazda 7EK7: plate voltage maximum 250 V, plate dissipation maximum 2 W per section, cathode current maximum 16 mA per section. Published typical cascode operating conditions depend on circuit bias configuration.</i>	

Twin triode for cascode-style high-frequency amplifier service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1959 Ediswan

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

1959 EDISWAN

Section 1 · Triode

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Cascode / high-frequency amplifier	—

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