



ELECTRONIC TUBE REFERENCE

6EL7

Voltage - Pentode High Frequency (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Screened high-frequency pentode developed for television and other wideband amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
TRANSCONDUCTANCE	0.0092 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM SCREEN DISSIPATION	0.5 W
Ediswan/Mazda 6EL7 nine-pin B9A high-frequency screened pentode for television and broadband amplification. Manufacturer heater 6.3 V 0.3 A, maximum anode 250 V and screen 250 V; nominal transconductance 9.2 mA/V (0.0092 S), measured under specified bias conditions. Original manufacturer sheet includes 3 W anode and 1 W screen general ratings but condition-dependent limits of 2 W anode and 0.5 W screen; these existing more restrictive promoted dissipation values retained pending operating-condition reconciliation. Typical V_a/V_{g2} near 170 V with 10 mA anode and 2.6 mA screen current. Shielded and holder-dependent electrode capacitances published; existing capacitance flag true preserved. Do not confuse conditional power ratings with unrestricted absolute maxima.	

Screened HF pentode for television or 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 · Pentode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	HF amplifier	—

TUBE TINKER

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and their source documents.

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