



ELECTRONIC TUBE REFERENCE

S6F12

Voltage Pentode - High Frequency (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Long-life professional pentode designed for voltage amplification, with high-frequency or wideband service where specified by the manufacturer.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
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	0.0075 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	3 W
MAXIMUM SCREEN DISSIPATION	0.9 W

Indirectly heated special-quality high-frequency pentode for parallel heater operation, using shock-resistant construction for increased reliability and life expectancy.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 Mazda

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

1960 MAZDA

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode voltage	250 V	—
Screen voltage	250 V	—
Anode current	10 mA	—
Screen current	2.5 mA	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-grid capacitance	0.008 pF	—
Anode-earth capacitance	3.25 pF	—
Grid-earth capacitance	7.6 pF	—



SOURCE OPERATING CONDITIONS

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1961 AEI Industrial Valves

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

1961 AEI INDUSTRIAL VALVES

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Inner mu	75	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum shock	500 g	—
Maximum continuous acceleration	2.5 g	—
Maximum bulb temperature	200 °C	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Associated Electrical Industries

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

1961 ASSOCIATED ELECTRICAL INDUSTRIES

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum shock	500 g	ShortDuration
Maximum acceleration	2.5 g	Continuous
Maximum bulb temperature	200 C	—