

ELECTRONIC TUBE REFERENCE

6H1

Voltage Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
HEXODE

Miniature hexode frequency changer designed for use with a separate triode oscillator, also suitable as a gated amplifier through approximately 20 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B7G	BASE PINS	7
NOMINAL HEATER	6.3 V / 200 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Hexode	
TRANSCONDUCTANCE	0.0024 S
MAXIMUM PLATE VOLTAGE	550 V
MAXIMUM SCREEN VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	1 W
MAXIMUM SCREEN DISSIPATION	0.7 W
Hexode section; no canonical Hexode SectionType exists.	

Miniature hexode frequency changer for use with a separate triode oscillator, also suitable as a gated amplifier to 20 MHz.



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 · Hexode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumAnodeVoltageNoCurrent	550 V	—
MaximumScreenVoltageNoCurrent	400 V	—
MaximumOperatingFrequency	20 MHz	—
Typical Plate Voltage	250 V	—
Typical Screen Voltage	100 V	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Grid1 Capacitance	0.06 pF	—
Anode Earth Capacitance	9.25 pF	—
Grid1 Earth Capacitance	4.3 pF	—
Grid3AllCapacitance	4.9 pF	—



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 · Hexode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumOperatingAnodeVoltage	300 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumOperatingScreenVoltage	300 V	—
Conversion Conductance	560 $\mu\text{A/V}$	FrequencyChanger

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Grid1 Capacitance	0.06 pF	—
Anode Earth Capacitance	9.25 pF	—
Grid1 Earth Capacitance	4.3 pF	—