

ELECTRONIC TUBE REFERENCE

6GU5

Hexode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

HEXODE

Beam hexode designed specifically for VHF radio-frequency amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	12
NOMINAL HEATER	6.3 V / 220 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Hexode	
PLATE RESISTANCE	165000 Ω
TRANSCONDUCTANCE	0.0155 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	3 W
MAXIMUM SCREEN DISSIPATION	0.15 W
MAXIMUM CATHODE CURRENT	20 mA

Beam hexode for VHF RF-amplifier service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

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Section 1 · Hexode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	220 mA	—
Plate voltage	275 V	ClassA
Grid No.3 voltage	135 V	ClassA
Grid No.1 voltage	-0.4 V	ClassA
Plate current	10 mA	ClassA
Grid No.3 current	0.17 mA	ClassA
Noise figure	5.7 dB	200MHz
Maximum plate voltage	300 V	—
Maximum screen voltage	150 V	—
Maximum cathode current	20 mA	—
Plate dissipation	3 W	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	165000 ohm	ClassA
Transconductance	15500 uS	ClassA

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid No.1-to-plate capacitance	0.018 pF	—
Input capacitance	7 pF	—
Output capacitance	3.2 pF	—