



ELECTRONIC TUBE REFERENCE

6066

Voltage - Triode (with diode, heptode or hexode) electronic tube

CONSOLIDATED TECHNICAL
DATA**3 SECTIONS**

CONSTRUCTION

DIODE-DIODE-TRIODE

Ruggedized double-diode high-mu triode combining detector or discriminator functions with voltage amplification. The paired diodes provide signal and control-voltage rectification while the triode supplies substantial gain for communications and receiving equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	7BT	BASE PINS	7
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

7BT - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – 1G1	A	G1 – Control Grid	CONNECTED
PIN2 – K	A	K – Cathode	CONNECTED
PIN3 – H	–	H – Heater	CONNECTED
PIN4 – H	–	H – Heater	CONNECTED
PIN5 – 2P	B	P – Plate (Anode)	CONNECTED
PIN6 – 3P	C	P – Plate (Anode)	CONNECTED
PIN7 – 1P	A	P – Plate (Anode)	CONNECTED

SECTION RATINGS

SECTION1 Diode
<i>No fixed ratings recorded.</i>
<i>Published source values promoted where applicable.</i>

SECTION2 Diode
<i>No fixed ratings recorded.</i>
<i>Published source values promoted where applicable.</i>

SECTION3 Triode	
PLATE RESISTANCE	58000 Ω
TRANSCONDUCTANCE	0.0012 S
AMPLIFICATION FACTOR	70
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM SCREEN VOLTAGE	250 V
Published source values promoted where applicable.	

Ruggedized double-diode triode; description derived from the supplied registration datasheet.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 3 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	250 V	Published handbook rating
Maximum screen voltage	250 V	Published handbook rating
Plate voltage	250 V	ClassA
Control-grid bias	3 V	ClassA
Plate current	1 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	58000 ohm	Published handbook characteristic
Transconductance	1200 μ S	Published handbook characteristic
Amplification factor	70	Published handbook characteristic
Heater/filament voltage	6.3 V	Published heater/filament rating
Heater/filament current	200 mA	Published heater/filament rating

TUBE TINKER

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