ELECTRONIC TUBE REFERENCE

6AZ5

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
DIODE-DIODE

Subminiature general-purpose double diode for detector and half-wave rectifier applications, providing two independent low-current rectifying sections.

General characteristics

BASE DESIGNATION	8DF	**BASE PINS**	8
NOMINAL HEATER	6.3 V / 150 mA	**PARALLEL HEATER**	— / —
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

8DF - Terminal pinout

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 — G1	A	G1 — Control Grid	CONNECTED
PIN2 — G3	A	G3 — Suppressor Grid	CONNECTED
PIN2 — K	A	K — Cathode	CONNECTED
PIN3 — H	—	H — Heater	CONNECTED
PIN4 — G3	A	G3 — Suppressor Grid	CONNECTED
PIN4 — K	A	K — Cathode	CONNECTED
PIN5 — P	A	P — Plate (Anode)	CONNECTED
PIN6 — H	—	H — Heater	CONNECTED
PIN7 — G2	A	G2 — Screen Grid	CONNECTED
PIN8 — G5	A	G5 — Fifth Grid	CONNECTED
PIN8 — K	A	K — Cathode	CONNECTED

Section ratings

SECTION1 Diode

PEAK INVERSE VOLTAGE	420 V
NOMINAL OUTPUT CURRENT	4 mA
PEAK FORWARD CURRENT	24 mA
FORWARD VOLTAGE DROP	10 V
MAXIMUM HEATER-CATHODE VOLTAGE	330 V

Two identical diode sections represented once.

SECTION2 Diode

No fixed ratings recorded.

Physical diode section added during approved section-structure reconciliation.

Subminiature general-purpose double diode for detector and rectifier applications.

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 1 · Diode

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
RMS supply voltage per plate	**150 V**	HalfWave

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Forward-voltage-drop test current	**15 mA**	HalfWave

TUBE TINKER

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