ELECTRONIC TUBE REFERENCE

25N6G

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
TRIODE-TRIODE

Octal dual-triode dynamic-coupled power-output tube for high-quality AC/DC receiver audio, functionally corresponding to the 25B5.

General characteristics

BASE DESIGNATION	G-7WQ	**BASE PINS**	8
NOMINAL HEATER	25 V / 300 mA	**PARALLEL HEATER**	— / —
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Common cathode	**SECTION CONSTRUCTION**	Dissimilar

Section ratings

SECTION1 Triode

PLATE RESISTANCE	11400 Ω
TRANSCONDUCTANCE	0.0022 S
AMPLIFICATION FACTOR	25
MAXIMUM PLATE VOLTAGE	180 V

Input triode in a dynamically coupled pair. The source states ratings/characteristics are identical to 25B5 but does not reproduce separate fixed per-triode ratings; external 25B5 data was not imported.

SECTION2 Triode

No fixed ratings recorded.

Output triode in a dynamically coupled pair. The source states ratings/characteristics are identical to 25B5 but does not reproduce separate fixed per-triode ratings; external 25B5 data was not imported.

The octal-base counterpart of the 25B5, sharing its 25 V, 0.3 A heater and dynamic-coupled power-output characteristics for AC-DC receiver audio service.

SOURCE OPERATING CONDITIONS

SOURCE PDF

1938 Triadyne

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

1938 TRIADYNE

Section 1 · Triode

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
PlateCurrentOutput	**45 mA**	ClassA;At 110 V
PlateCurrentInput	**7 mA**	ClassA;At 110 V
Load Resistance	**2000 ohm**	ClassA;At 110 V
Power Output	**2 W**	ClassA;At 110 V
Power Output	**3.8 W**	ClassA;At 180 V

SOURCE DATA APPENDIX

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 · Triode

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Plate voltage	**180 V**	ClassA
Input-plate supply voltage	**100 V**	ClassA
Grid voltage	**0 V**	ClassA
Plate current	**46 mA**	ClassA
Input-plate current	**5.8 mA**	ClassA
Load resistance	**4000 ohm**	ClassA

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power output	**3.8 W**	ClassA

SOURCE OPERATING CONDITIONS

1961 Tung Sol

SOURCE PDF

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

1961 TUNG SOL

Section 1 · Triode

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Heater voltage	**25 V**	Nominal
Heater current	**300 mA**	Nominal
Input plate voltage	**110 V**	ClassA; InputTriode; OperatingPoint1
Input plate voltage	**100 V**	ClassA; InputTriode; OperatingPoint2
Grid circuit resistance maximum	**1 Mohm**	ClassA

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Input plate current	**7 mA**	ClassA; InputTriode; OperatingPoint1
Input plate current	**5.8 mA**	ClassA; InputTriode; OperatingPoint2
Transconductance	**2200 uS**	ClassA; InputTriode; OperatingPoint1
Transconductance	**2300 uS**	ClassA; InputTriode; OperatingPoint2
Amplification factor	**25**	ClassA; InputTriode; OperatingPoint1
Amplification factor	**35**	ClassA; InputTriode; OperatingPoint2

1961 TUNG SOL

Section 2 · Triode

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Heater voltage	**25 V**	Nominal
Heater current	**300 mA**	Nominal

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Output plate voltage	**110 V**	ClassA; OutputTriode; OperatingPoint1
Output plate voltage	**180 V**	ClassA; OutputTriode; OperatingPoint2
Load resistance	**2000 ohm**	ClassA; OutputTriode; OperatingPoint1
Load resistance	**4000 ohm**	ClassA; OutputTriode; OperatingPoint2
Power output	**2 W**	ClassA; OutputTriode; OperatingPoint1
Power output	**3.8 W**	ClassA; OutputTriode; OperatingPoint2
Total harmonic distortion	**9 %**	ClassA; OutputTriode; OperatingPoint1
Total harmonic distortion	**9 %**	ClassA; OutputTriode; OperatingPoint2
Grid circuit resistance maximum	**1 Mohm**	ClassA

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Output plate current	**43 mA**	ClassA; OutputTriode; OperatingPoint1
Output plate current	**46 mA**	ClassA; OutputTriode; OperatingPoint2

Tube Tinker

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