



ELECTRONIC TUBE REFERENCE

6080WA

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Ruggedized high-current dual power triode for series-regulator service, designed for severe mechanical environments and capable of operating its two sections in parallel as a pass element.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 2.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.007 S
AMPLIFICATION FACTOR	2
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	13 W
MAXIMUM CATHODE CURRENT	125 mA
MAXIMUM HEATER-CATHODE VOLTAGE	300 V
Representative row for electrically identical repeated sections.	

SECTION2 Triode	
TRANSCONDUCTANCE	0.007 S
AMPLIFICATION FACTOR	2
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	13 W
MAXIMUM CATHODE CURRENT	125 mA
<i>Identical second physical section; duplicated from representative section per physical-section-row policy.</i>	

Ruggedized high-current dual power triode for series-regulator service in severe mechanical environments.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon

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

1938 RAYTHEON

Section 1 · Triode

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	SeriesRegulator text	—



SOURCE OPERATING CONDITIONS

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1960 RCA Industrial and Communications Types

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1960 RCA INDUSTRIAL AND COMMUNICATIONS TYPES

Section 1 · Triode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	2.5 A	—



SOURCE OPERATING CONDITIONS

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1961 Tung Sol

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1961 TUNG SOL

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AltitudeForFullRatings	60000 ft	—
ImpactAcceleration	450 g	—
Service	Series regulator / parallel-section pass tube	—



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

1966 Tung Sol Electronic Tubes 4 of 4

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1966 TUNG SOL ELECTRONIC TUBES 4 OF 4

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-cathode capacitance per section	6.2 pF	WholeTube
Grid-to-plate capacitance per section	8.4 pF	WholeTube
Cathode-to-plate capacitance per section	2.2 pF	WholeTube
Heater-to-cathode capacitance per section	6.3 pF	WholeTube
Grid-to-grid capacitance between sections	0.5 pF	WholeTube
Plate-to-plate capacitance between sections	2.2 pF	WholeTube
Minimum cathode heating time	30 s	WholeTube
Amplification factor	2	WholeTube
Transconductance nominal per section	6000 uS	WholeTube

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	250 V	WholeTube

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate current per plate	125 mA	WholeTube
Maximum power dissipation per plate	13 W	WholeTube
Maximum grid current per grid	5 mA	WholeTube
Maximum heater-cathode voltage	300 V	WholeTube



SOURCE OPERATING CONDITIONS

SOURCE PDF

1968 Mazda Belvu

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1968 MAZDA BELVU

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	6.3 V	Nominal
HeaterCurrentNominal	2.5 A	Nominal
Maximum Plate Voltage	250 V	—
Maximum Plate Dissipation	13 W	—
Maximum Cathode Current	125 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	7000 μ S	Typical
Amplification Factor	2	Typical

TUBE TINKER

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and their source documents.

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