

ELECTRONIC TUBE REFERENCE

6112WA

Voltage - Dual Triode (similar high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Ruggedized subminiature high-mu twin triode for UHF amplification, with published shock, vibration, and acceleration ratings for severe-service electronic equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0018 S
AMPLIFICATION FACTOR	70
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	0.3 W
MAXIMUM CATHODE CURRENT	3.3 mA
Representative row for electrically identical repeated sections.	

SECTION2 Triode	
TRANSCONDUCTANCE	0.0018 S
AMPLIFICATION FACTOR	70
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	0.3 W
MAXIMUM CATHODE CURRENT	3.3 mA
<i>Second physical triode restored under current one-row-per-physical-section policy.</i>	

Ruggedized subminiature high-mu twin triode for UHF service.



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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	6.3 V	Published nominal value
Heater or filament current	300 mA	Published nominal or representative value
Transconductance	1800 μ S	Published characteristic

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	0.3 W	Published maximum rating



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

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
ImpactAcceleration	450 g	—
UniformAcceleration	1000 g	—
VibrationalAcceleration	2.5 g	—
Service	UHF amplifier	—

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 4 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 4 OF 4

Section 1 · Triode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	6.3 V	—
Heater/filament current	300 mA	—

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application summary	Ruggedized subminiature high-mu twin triode for UHF service.	—

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	150 V	—
Plate current	8 mA	—
Transconductance	6000 μ S	—
Amplification factor	60	—
Grid-to-plate capacitance	1.4 pF	—
Maximum cathode current	22 mA	—

TUBE TINKER

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and their source documents.

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