



ELECTRONIC TUBE REFERENCE

6G2P

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

CONSOLIDATED TECHNICAL
DATA

3 SECTIONS

CONSTRUCTION

DIODE-DIODE-TRIODE

Chinese double-diode triode combining detector and control-voltage rectification with subsequent voltage amplification. Paired diodes provide signal-processing functions while the triode supplies the active amplifier stage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Diode

No fixed ratings recorded.

Shuguang 6G2P diode 1, shared cathode with triode. Max diode plate current 1 mA; not nominal rectifier output. Heater 6.3 V 0.3 A, heater-cathode max 100 V.

SECTION2 Diode

No fixed ratings recorded.

Shuguang 6G2P diode 2, shared cathode with triode. Max diode plate current 1 mA; not nominal rectifier output. Heater 6.3 V 0.3 A, heater-cathode max 100 V.

SECTION3 Triode	
TRANSCONDUCTANCE	0.0011 S
AMPLIFICATION FACTOR	100
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	0.5 W
<i>Shuguang 6G2P triode in shared-cathode twin-diode triode. Max plate 330 V, dissipation 0.5 W, typical V_a 250 V, V_g -2 V, I_a 1.15 ± 0.65 mA, μ 100 ± 15, g_m 0.0011 ± 0.0008 A/V. Heater 6.3 V 0.3 A; max heater-cathode 100 V.</i>	

Indirectly heated dual-diode triode for detection, low-frequency voltage amplification, and automatic volume control.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

198X Shuguang

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

198X SHUGUANG

Section 1 · Diode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Nominal
Heater current	300 mA	Nominal
Plate voltage	250 V	Published principal electrical parameter