

ELECTRONIC TUBE REFERENCE

6GQ7

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA
3 SECTIONS
CONSTRUCTION
DIODE-DIODE-DIODE

Triple high-perveance diode containing three sections for AM detection and FM detector or discriminator circuits.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9QM	BASE PINS	9
NOMINAL HEATER	6.3 V / 450 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Diode	
PEAK INVERSE VOLTAGE	330 V
NOMINAL OUTPUT CURRENT	9 mA
PEAK FORWARD CURRENT	54 mA
FORWARD VOLTAGE DROP	10 V
Representative identical diode section; tube contains three diodes.	

SECTION2 Diode	
No fixed ratings recorded.	
Physical diode section added to match documented multi-diode construction.	

SECTION3 Diode

No fixed ratings recorded.

Physical diode section added to match documented multi-diode construction.

The 6GQ7 contains three high-perveance diode sections in a 9-pin miniature envelope for AM detection and FM detector or discriminator circuits.



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 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	450 mA	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 2 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 2 OF 4

Section 1 · Diode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate input capacitance	2.05 pF	—
Cathode input capacitance	3.1 pF	—
Plate-to-plate capacitance	0.47 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC plate voltage RMS	117 V	EachDiode
Minimum effective plate supply impedance	300 ohm	EachDiode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Resonant frequency	700 MHz	Approximate;EachDiode

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