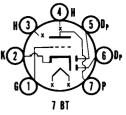


18**GF**6A SYLVANIA TYPE

DUO DIODE TRIODE



1.8 μμ

MECHANICAL DATA

BulbBase		T-5½ Button 7-Pin
Outline		5-2 7RT
Cathode	Coated	Unipotential Any

ELECTRICAL DATA

HEATER CHARACTERISTICS AND RATINGS

Average (Characteristics
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Average Onaraoteriotios	Series Operation
Heater Voltage	
Heater Current ¹	100 Ma
Heater Warm-up Time ²	20 Seconds

Ratings (Design Maximum Values)

ratings (Besign maximum values)	Min-Max
Heater Current ⁸	. 94-106 Ma
Maximum Heater-Cathode Voltage	
Heater Negative with Respect to Cathode	
Total D C and Peak	. 100 Volts
Heater Positive with Respect to Cathode	
Total D C and Peak	. 100 Volts

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

RATINGS (Design Maximum System)		
Input: g to (h+k)	2.4 μμf 0.2 μμf 0.2 μμf Max.	
Grid to Plate	1.8 uuf	

Plate Voltage	150 Volts Max.
Plate Dissipation	0.5 Watt Max.
Diode Plate Current, (Each Diode)	1.0 Ma Max.

CHARACTERISTICS AND TYPICAL OPERATION Class A1 Amplifier

Plate Voltage	100 Volts
Grid Voltage	−1 Volts
Plate Current	
Plate Resistance	
Transconductance	1700 μmhos
Amplification Factor	70
Average Diode Current, Each Diode	
With 10 Volts D C Applied4	2.0 Ma

NOTES:

- For series operation of heaters, equipment should be designed that at normal supply voltage bogey tubes will operate at this value of heater current.
 Heater warm-up time is defined as the time required for the voltage across the
- heater to reach 80% of the rated heater voltage after applying four (4) times rated heater voltage to a circuit consisting of the tube heater in series with a resistance equal to three (3) times the rated heater voltage divided by the rated heater current.
- 3. Heater voltage supply variations shall be restricted to maintain heater current within the specified values.
 Test condition only.

APPLICATION

The Sylvania 18GE6A is a miniature high mu triode double diode featuring a 100 ma heater controlled for heater warm-up time. This tube is designed for detectorma heater controlled for heater warm-up time. This tu amplifier applications in AC/DC type radio receivers. Type 18GE6A replaces obsolete Type 18GE6.