TRIPLE DIODE TRIODE

FOR USE

IN AM/FM RECEIVERS

COATED UNIPOtENTIAL CATHODE

ANY MOUNTING POSITION

GLASS BULB

INTERMEDIATE SHELL 
8 PIN OCTAL 8B-6

OR

SHORT INTERMEDIATE SHELL 
8 PIN OCTAL 8B-58

OUTLINE DRAWING 
JEDEC 9-23 OR 9-48

THE 6S8GT COMBINES IN ONE ENVELOPE A HIGH-MU TRIODE AND THREE SEPARATE DIODES. ONE OF THE THREE DIODES HAS A SEPARATE CATHODE PERMITTING USE AS A BALANCED DISCRIMINATOR OR DETECTOR. IN COMBINATION FM/AM RECEIVERS THIS TUBE PROVIDES THE NECESSARY ELEMENTS FOR DETECTION OF BOTH TYPES OF SIGNAL WITHOUT NEED FOR ADDITIONAL SWITCHING.

DIRECT INTERELECTRODE CAPACITANCES
WITH EXTERNAL SHIELD 308 CONNECTED TO PIN 2

GRID TO ANY DIODE PLATE: (G TO P) MAX. 0.005 pf
DIODE INPUT: (EACH UNIT): (DP TO H+K) APPROX. 1.0 pf

HEATER CHARACTERISTICS AND RATINGS
DESIGN CENTER VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS 6.3 VOLTS 300 MA.
MAXIMUM HEATER-CATHODE VOLTAGE 90 VOLTS
LIMITS OF APPLIED VOLTAGE 6.3±0.6 VOLTS

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MAXIMUM RATINGs
DESIGN CENTER VALUES - SEE EIA STANDARD RS-239

TRIODE PLATE VOLTAGE 300 VOLTS
TRIODE PLATE DISSIPATION 0.5 WATTS
CONTINUOUS DIODE CURRENT, EACH DIODE 1 MA.

TYPICAL OPERATING CHARACTERISTICS
CLASS AB AMPLIFIER

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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<tbody>
<tr>
<td>PLATE VOLTAGE</td>
<td>100 V</td>
<td>250 V</td>
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<tr>
<td>GRID VOLTAGE</td>
<td>-1.0 V</td>
<td>-2.0 V</td>
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<tr>
<td>PLATE CURRENT</td>
<td>0.4 MA</td>
<td>0.9 MA</td>
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<tr>
<td>TRANSCONDUCTANCE</td>
<td>900 μMH</td>
<td>1,100  μMH</td>
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<td>AMPLIFICATION FACTOR</td>
<td>100</td>
<td>100</td>
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<tr>
<td>PLATE RESISTANCE (APPROX.)</td>
<td>110 KΩ</td>
<td>91 KΩ</td>
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<tr>
<td>AVERAGE DIODE CURRENT WITH 10 VOLTS APPLIED EACH DIODE</td>
<td>2.5 MA</td>
<td>2.5 MA</td>
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