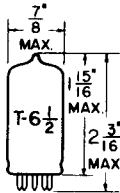


**TUNG-SOL**

TRIPLE DIODE  
MINIATURE TYPE



GLASS BULB

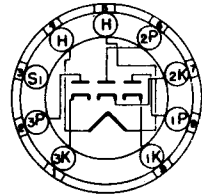
COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 450 MA.

AC OR DC

ANY MOUNTING POSITION



**BOTTOM VIEW**  
MINIATURE BUTTON  
9 PIN BASE  
9AX

THE 6BC7 COMPRISES THREE SEPARATE HIGH PERVEANCE DIODES IN THE 9 PIN MINIATURE CONSTRUCTION. THE ELEMENTS OF EACH DIODE ARE BROUGHT OUT SEPARATELY. IT CAN BE USED AS A COMBINED FM/AM DETECTOR WITHOUT THE NEED FOR ADDITIONAL SWITCHING. TWO OF THE DIODES ARE BALANCED FOR USE IN BALANCED DETECTOR APPLICATIONS. THE THREE SEPARATE AND INDEPENDENT DIODES ALLOW FOR A MULTIPLICITY OF CIRCUIT ARRANGEMENTS IN TELEVISION APPLICATIONS.

**DIRECT INTERELECTRODE CAPACITANCES - APPROX.**  
WITH NO EXTERNAL SHIELD

PLATE OF DIODE #1 TO ALL OTHER ELEMENTS	3.5	μf
PLATE OF DIODE #2 TO ALL OTHER ELEMENTS	5.5	μf
PLATE OF DIODE #3 TO ALL OTHER ELEMENTS	3.5	μf

**RATINGS**

INTERPRETED ACCORDING TO RMA STANDARD W8-210

HEATER VOLTAGE	6.3	VOLTS
DIODE OPERATION CURRENT PER PLATE	12	MA.
PEAK HEATER-CATHODE VOLTAGE	200	VOLTS

**TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS**

EACH DIODE UNIT

HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	450	MA.
AVERAGE CURRENT DIODES #1 AND #3 WITH 5 VOLTS DC APPLIED	35	MA.
ZERO VOLTAGE CURRENT OF EACH DIODE SECTION THRU 40,000 OHMS	21	μA.

NOTE: RATIO OF  $\frac{103}{101}$  AND/OR  $\frac{101}{103}$  SHALL NOT BE GREATER THAN 1.3 AT ED. = 5 VOLTS.

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PLATE 2477

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