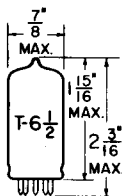


**TUNG-SOL**

**DUOTRIODE**

MINIATURE TYPE



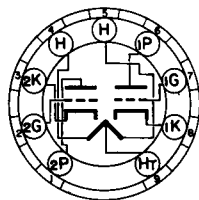
**GLASS BULB**

HEATER

SERIES	PARALLEL
12.6 VOLTS	6.3 VOLTS
0.13 AMP.	0.26 AMP.

AC OR DC

ANY MOUNTING POSITION



**BOTTOM VIEW**

MINIATURE  
9 PIN BASE

9A

THE 12DM7 IS A LOW-HUM HIGH-MU DUOTRIODE IN THE 9 PIN MINIATURE CONSTRUCTION. ITS HIGH AMPLIFICATION AND LOW-HUM MAKES THE 12DM7 PARTICULARLY ADAPTED FOR APPLICATION IN LOW LEVEL STAGES OF HIGH-FIDELITY AMPLIFIERS AND OTHER AUDIO EQUIPMENT.

**DIRECT INTERELECTRODE CAPACITANCES**

	SEC. #1	SEC. #2	
GRID TO PLATE: G1 TO P	1.7	1.7	$\mu\mu\text{f}$
INPUT: G1 TO K+H	1.6	1.6	$\mu\mu\text{f}$
OUTPUT: P TO K+H	0.46	0.34	$\mu\mu\text{f}$

**RATINGS**

INTERPRETED ACCORDING TO DESIGN MAXIMUM SYSTEM  
EACH SECTION

HEATER VOLTAGE	12.6	6.3	VOLTS
MAXIMUM PLATE VOLTAGE	330		VOLTS
MAXIMUM CONTROL GRID VOLTAGE, NEGATIVE -DC	50		VOLTS
MAXIMUM CONTROL GRID VOLTAGE, POSITIVE -DC	0		VOLTS
MAXIMUM PLATE DISSIPATION	1.1		WATTS
MAXIMUM PEAK HEATER-CATHODE VOLTAGE:			
HEATER NEGATIVE TO CATHODE	180	180	VOLTS
HEATER POSITIVE TO CATHODE	180	180	VOLTS

**TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS**

CLASS A AMPLIFIER

HEATER VOLTAGE	12.6	6.3	VOLTS
HEATER CURRENT	0.13	0.26	AMP.
PLATE VOLTAGE	100	250	VOLTS
CONTROL GRID VOLTAGE	-1	-2	VOLTS
PLATE RESISTANCE (APPROX.)	80	62.5	K OHMS
TRANSCONDUCTANCE	1250	1600	$\mu\text{MHOS}$
AMPLIFICATION FACTOR	100	100	
PLATE CURRENT	0.5	1.2	MA.
SIGNAL-TO-NOISE-RATION IN 630B R-C AMP.		57db	DOWN