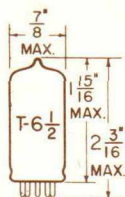


TUNG-SOL

DUOTRIODE

MINIATURE TYPE



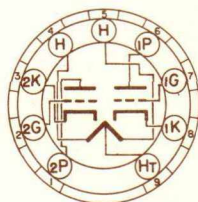
GLASS BULB

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: G ₁ TO P	1.7	1.7	μf
INPUT: G ₁ TO K+H	1.6	1.6	μf
OUTPUT: P TO K+H	0.46	0.34	μf

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 -CC	50		VOLTS
MAXIMUM CONTROL GRID VOLTAGE, POSITIVE -CC	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	μMHOS
AMPLIFICATION FACTOR	100	100	
PLATE CURRENT	0.5	1.2	MA.
SIGNAL-TO-NOISE-RATION IN 63DB R-C AMP.		57db	DOWN

