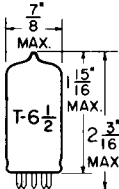


TUNG-SOL

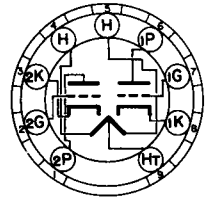
DOUBLE TRIODE

MINIATURE TYPE



GLASS BULB

COATED UNIPOTENTIAL CATHODE
 HEATER
 12.6 VOLTS 0.45±10% AMB
 AC OR DC
 ANY MOUNTING POSITION



BOTTOM VIEW
 SMALL BUTTON
 9 PIN BASE

9A

THE 12AE7 IS A MINIATURE LOW- μ DISSIMILAR DOUBLE TRIODE IN THE 9 PIN MINIATURE CONSTRUCTION AND IS INTENDED FOR USE AS A DRIVER TUBE FOR THE AUDIO OUTPUT STAGE OF HYBRID AUTOMOBILE RADIOS.

DIRECT INTERELECTRODE CAPACITANCES
WITHOUT EXTERNAL SHIELD

	TRIODE #1	TRIODE #2	
GRID TO PLATE	3.9	3.4	$\mu\mu\text{f}$
INPUT	4.7	4.2	$\mu\mu\text{f}$
OUTPUT	0.75	0.85	$\mu\mu\text{f}$

RATINGS

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

HEATER VOLTAGE	12.6	VOLTS
MAXIMUM PLATE VOLTAGE	16.0	VOLTS
MAXIMUM POSITIVE DC GRID VOLTAGE	0	VOLTS
MAXIMUM PLATE DISSIPATION	1.0	WATT
MAXIMUM GRID CIRCUIT RESISTANCE	1.5	MEG OHMS
MAXIMUM HEATER-CATHODE VOLTAGE:		
HEATER NEGATIVE WITH RESPECT TO CATHODE	16.0	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE	16.0	VOLTS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

	TRIODE #1	TRIODE #2	
HEATER VOLTAGE		12.6	VOLTS
HEATER CURRENT		0.45±10%	AMP.
PLATE VOLTAGE (EACH TRIODE)	12.6	12.6	VOLTS
GRID LEAK RESISTOR	1.5	1.0	MEG OHM
PLATE CURRENT	1.9	7.5	MA.
TRANSCONDUCTANCE	4000	6500	μMHOS
AMPLIFICATION FACTOR	13.0	6.4	
PLATE RESISTANCE	3150	985	OHMS

^A RATINGS APPLY TO EACH SECTION UNLESS OTHERWISE STATED.