TWIN TRIODE AMPLIFIER

UNIPOTENTIAL CATHODE
HEATER
12.6 VOLTS 0.15 AMPERE
AC OR DC

METAL SHELL

8S
BOTTOM VIEW

SMALL WAFER B PIN OCTAL BASE.

THE TUNG-SOL 12SC7 IS A SINGLE-ENDED TWIN TRIODE AMPLIFIER IN A METAL SHELL. EACH SECTION IS DESIGNED WITH A HIGH AMPLIFICATION FACTOR. ITS PRIMARY APPLICATION IS AS A PHASE INVERTER AND AUDIO AMPLIFIER.

RATINGS

MAXIMUM PLATE VOLTAGE 250 VOLTS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A1 AMPLIFIER

VALUES ARE FOR EACH TRIODE SECTION

PLATE VOLTAGE 250 VOLTS
GRID VOLTAGE -2 VOLTS
PLATE CURRENT 2 MA.
PLATE RESISTANCE 53000 OHMS
TRANSCONDUCTANCE 1325 MUHNS
AMPLIFICATION FACTOR 70

FOR "INTERPRETATION OF RATINGS" REFER TO FRONT OF BOOK.
12SC7

EACH TRIODE SECTION
$E_f = 12.6\, \text{V.}$

PLATE CURRENT ($I_b$) IN MILLIAMPERES

PLATE VOLTS ($E_b$)

0 100 200 300 400

0 2 4

$E_C = 0$ $-1$ $-2$ $-3$ $-4$