TENTATIVE DATA

TRIPLE-DIODE TRIODE
MINIATURE TYPE

COATED UNIPOTENTIAL CATHODE

HEATER
6.3 VOLTS 450 MA.
AC OR DC
ANY MOUNTING POSITION

BOTTOM VIEW
MINIATURE BUTTON
9 PIN BASE
9E

THE 6R8 IS A TRIPLE-DIODE LOW-MU TRIODE USING THE 9 PIN MINIATURE CONSTRUCTION. IT IS DESIGNED FOR SERVICE AS A COMBINED AM/FM DETECTOR AND AF AMPLIFIER.

DIRECT INTERELECTRODE CAPACITANCES - APPROX.
WITH EXTERNAL SHIELD

GRID TO PLATE: (G TO P) 2.4 uf
GRID TO CATHODE: (G TO K) 1.5 uf
PLATE TO CATHODE: (P TO K) 1.1 uf
GRID TO EACH DIODE PLATE (MAX.) 0.035 uf
DIODE #1 TO CATHODE: (4P TO 1K) 3.8 uf
DIODE #3 TO CATHODE: (3P TO 1K) 3.8 uf
DIODE #2 TO CATHODE #2: (2P TO 2K) 4.5 uf
DIODE #2 TO ALL: D2 TO (H+4K+2K+3P+G+P) 8.5 uf

RATINGS
INTERPRETED ACCORDING TO RMA STANDARD M8-210

HEATER VOLTAGE 6.3 VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE 90 VOLTS
MAXIMUM PLATE VOLTAGE 250 VOLTS
MAXIMUM PLATE DISSIPATION 2.5 WATTS
MAXIMUM DIODE CURRENT EACH PLATE FOR CONTINUOUS OPERATION 5 MA.
MAXIMUM GRID #1 CIRCUIT RESISTANCE 1 MEGOHM.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS
CLASS A1 AMPLIFIER - TRIODE UNIT

HEATER VOLTAGE 6.3 VOLTS
HEATER CURRENT 450 MA
PLATE VOLTAGE 250 VOLTS
GRID VOLTAGE -9 VOLTS
PLATE RESISTANCE 8500 OHMS
TRANSCONDUCTANCE 1900 uMhos
AMPLIFICATION FACTOR 16
PLATE CURRENT 9.5 MA
LOAD RESISTANCE 10000 OHMS
POWER OUTPUT 300 MW

PLATE 2×50
AUG 1
1950