TUNG-SOL

DIODE PENTODE
MINIATURE TYPE

COATED UNIPOTENTIAL CATHODE

HEATER
12.6 VOLTS 0.15 AMP.
AC OR DC
ANY MOUNTING POSITION

THE 12CR6 IS A COMBINED SINGLE DETECTOR DIODE AND REMOTE CUT-OFF PENTODE WITH A COMMON CATHODE IN THE 7 PIN MINIATURE CONSTRUCTION. THE PENTODE SECTION IS INTENDED FOR USE AS AN AUDIO AMPLIFIER IN WHICH AVC VOLTAGE IS APPLIED TO THE CONTROL GRID FOR IMPROVED OVERALL RECEIVER AVC.

RATINGS
INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

HEATER VOLTAGE 12.6 VOLTS
MAXIMUM PLATE VOLTAGE 300 VOLTS
MAXIMUM POSITIVE DC GRID #1 VOLTAGE 0 VOLTS
MAXIMUM GRID #2 VOLTAGE 150 VOLTS
MAXIMUM PLATE DISSIPATION 2.5 WATTS
MAXIMUM GRID #2 DISSIPATION 0.3 WATT
MAXIMUM GRID #1 CIRCUIT RESISTANCE 1 MEGOHM
MINIMUM DIODE CURRENT WITH 10 VOLTS DC APPLIED 2 MA.
MAXIMUM HEATER-CATHODE VOLTAGE 100 VOLTS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

HEATER VOLTAGE 12.6 VOLTS
HEATER CURRENT 0.15 AMP.
PLATE VOLTAGE 250 VOLTS
GRID #2 VOLTAGE 100 VOLTS
GRID #1 VOLTAGE -2 VOLTS
PLATE CURRENT 9.6 MA.
GRID #2 CURRENT 2.6 MA.
TRANSCONDUCTANCE 2 200 ΜΗΘΩΣ
PLATE RESISTANCE (APPROX.) 0.8 MEGOHM
GRID #1 VOLTAGE (APPROX.) FOR Gm = 10 ΜΗΘΩΣ -32 VOLTS