DIODE

COATED UNIPOTENTIAL CATHODE

HEATER
6.56VOLT 1860MA
AC OR DC
ANY MOUNTING POSITION

THE T-9 IS A SINGLE INDIRECTLY-HEATED DIODE INTENDED FOR USE IN TELEVISION HORIZONTAL FREQUENCY DAMPER SERVICE. IT IS DESIGNED TO WITHSTAND HIGH VOLTAGE PULSES OF LINE FREQUENCY BETWEEN CATHODE AND BOTH HEATER AND PLATE ELEMENTS SUCH AS NORMALY ENCOUNTERED IN "DIRECT-DRIVE" CIRCUITS.

DIRECT INTERELECTRODE CAPACITANCES

HEATER TO CATHODE: (H TO K) 4.0 pf
PLATE TO CATHODE AND HEATER: P TO (H+K) 8.5 pf
CATHODE TO PLATE AND HEATER: K TO (P+H) 11.5 pf

RATINGS
INTERPRETED ACCORDING TO DESIGN MAXIMUM SYSTEM DAMPER DIODE

MAXIMUM HEATER CATHODE VOLTAGE:
HEATER NEGATIVE WITH RESPECT TO CATHODE 900 VOLTS DC
TOTAL DC AND PEAK (ABSOLUTE MAXIMUM) 4500 VOLTS DC
HEATER POSITIVE WITH RESPECT TO CATHODE 100 VOLTS DC
TOTAL DC AND PEAK 500 VOLTS DC
MAXIMUM PEAK INVERSE PLATE VOLTAGE (ABSOLUTE MAXIMUM) 4500 VOLTS
MAXIMUM DC PLATE CURRENT 210 MA.
MAXIMUM STEADY STATE PEAK LATE CURRENT 1300 MA.
MAXIMUM PLATE DISSIPATION 6.5 WATTS
AVERAGE TUBE VOLTAGE DROP (WITH TUBE CONDUCTING 560 MA.) 25 VOLTS

--- FOR OPERATION IN A 525-LINE, 30-FRAME SYSTEM AS DESCRIBED IN "STANDARDS OF GOOD ENGINEERING PRACTICE FOR TELEVISION BROADCASTING STATIONS; FEDERAL COMMUNICATIONS COMMISSION", THE DUTY CYCLE OF THE HORIZONTAL VOLTAGE PULSE, NOT TO EXCEED 15% OF SCANNING CYCLE.

--- INDICATES A CHANGE.