DIODE

COATED FILAMENT
FOR HIGH VOLTAGE
RECTIFIER APPLICATIONS
ANY MOUNTING POSITION

SOCKET TERMINALS 1, 3, 4, 5, 6 AND 8 MAY BE
CONNECTED TO TERMINAL 7 OR TO A CORONA
SHIELD WHICH CONNECTS TO TERMINAL 7.
TERMINALS 4, 6 MAY BE USED AS THE POINTS
AT OR NEAR FILAMENT POTENTIAL.

GLASS BULB
SHRUNK MEDIUM SHELL
7 PIN OCTAL 87-227

THE IN2A IS A FILAMENTARY HALF-WAVE DIODE INTENDED FOR SERVICE AS THE
HIGH VOLTAGE RECTIFIER IN TELEVISION RECEIVERS AND OTHER HIGH VOLTAGE
RECTIFIER APPLICATIONS.
IT IS IDENTICAL TO TYPE IN2 EXCEPT TYPE IN2A IS CONTAINED IN A SHORTER
BULB THAN TYPE IN2.

DIRECT INTERELECTRODE CAPACITANCES
PLATE TO FILAMENT AND INTERNAL SHIELD 1.4 pf

FILAMENT CHARACTERISTICS AND RATINGS
DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-799
AVERAGE CHARACTERISTICS 1.25 VOLTS 200 MA.
FILAMENT SUPPLY LIMITS:
VOLTAGE OPERATION C 1.25±0.20 VOLTS

MAXIMUM RATINGS
DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239
FLYBACK VOLTAGE RECTIFIER
INVERSE PLATE VOLTAGE:
TOTAL DC AND PEAK 28,000 VOLTS
DC 24,000 MA.
PEAK PLATE CURRENT 50 MA.
AVERAGE PLATE CURRENT 0.5 MA.

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CHARACTERISTICS

TUBE DROP FOR ID = 7 MA. (APPROX.) 100 VOLTS

CEILAMENT SUPPLY VARIATIONS SMALL IF RESTRICTED TO MAINTAIN FILAMENT VOLTAGE WITHIN THE SPECIFIED VALUES.

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

X-RAY RADIATION SHIELDING MAY BE NECESSARY TO PROTECT AGAINST POSSIBLE DANGER OF PERSONAL INJURY FROM PROLONGED EXPOSURE AT CLOSE RANGE IF THIS TUBE IS OPERATED AT HIGHER THAN THE MANUFACTURER'S MAXIMUM RATED PLATE VOLTAGE OR 30,000 VOLTS WHICHEVER IS LESS.