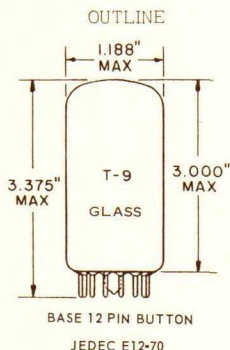


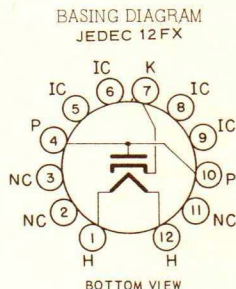
TUNG-SOL

DIODE
COMPACTRON



FOR
T.V. DAMPER SERVICE

COATED UNIPOTENTIAL CATHODE
ANY MOUNTING POSITION



THE TUNG-SOL 34CD3 IS AN INDIRECTLY-HEATED DIODE IN COMPACTRON CONSTRUCTION. IT IS INTENDED FOR USE IN DAMPER SERVICE OF TELEVISION HORIZONTAL DEFLECTION CIRCUITS. IT IS DESIGNED TO WITHSTAND HIGH VOLTAGE PULSES BETWEEN CATHODE AND BOTH HEATER AND PLATE ELEMENTS SUCH AS NORMALLY ENCOUNTERED IN "DIRECT DRIVE" CIRCUITS. ITS HIGH CURRENT CAPABILITY MAKES IT PARTICULARLY SUITABLE FOR COLOR TELEVISION APPLICATIONS.

DIRECT INTERELECTRODE CAPACITANCES WITHOUT EXTERNAL SHIELD

CATHODE TO PLATE AND HEATER: K TO (P+H)	16	pf
PLATE TO CATHODE AND HEATER: P TO (K+H)	13	pf
HEATER TO CATHODE: H TO K	4,6	pf

HEATER CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM SYSTEM-SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	34.5	VOLTS	450	mA
HEATER WARM-UP TIME			11	SECONDS
LIMITS OF SUPPLIED CURRENT			450 ± 30	mA
MAXIMUM HEATER CATHODE VOLTAGE *				
HEATER NEGATIVE WITH RESPECT TO CATHODE				
DC			1,000	VOLTS
TOTAL DC AND PEAK			6,000	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE				
DC			100	VOLTS
TOTAL DC AND PEAK			300	VOLTS

CONTINUED ON FOLLOWING PAGE

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

MAXIMUM RATINGS

DESIGN MAXIMUM SYSTEM - SEE EIA STANDARD RS-239

DAMPER DIODE SERVICE *		
PEAK INVERSE PLATE VOLTAGE	6,000	VOLTS
DC OUTPUT CURRENT	350	MA.
STEADY STATE PEAK PLATE CURRENT	1,500	MA.
PLATE DISSIPATION	12	WATTS

AVERAGE CHARACTERISTICS

TUBE VOLTAGE DROP SEE GRAPH BELOW

* 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 VOLTAGE PULSE IS NOT EXCEED 15 PER CENT OF A SCANNING CYCLE.

