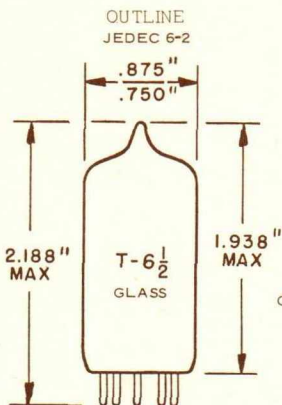


TUNG-SOL

PENTODE

MINIATURE TYPE



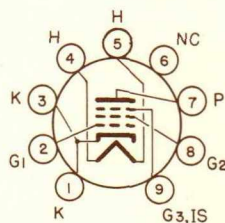
BASE 9 PIN BUTTON
JEDEC E9-1

SEMI-REMOTE-CUTOFF PENTODE

FOR
I.F. AMPLIFIER STAGES
IN TV RECEIVERS

COATED UNIPOTENTIAL CATHODE
ANY MOUNTING POSITION

BASING DIAGRAM
JEDEC 9PM



BOTTOM VIEW

THE 3JC6 IS A FRAME-GRID, SHARP-CUTOFF PENTODE IN THE 9 PIN MINIATURE CONSTRUCTION. IT IS DESIGNED FOR SERVICE IN THE IF AMPLIFIER STAGES OF TELEVISION RECEIVERS. EXCEPT FOR HEATER CHARACTERISTICS AND RATINGS, THE 3JC6 IS IDENTICAL TO THE 4JC6 AND THE 6JC6.

DIRECT INTERELECTRODE CAPACITANCES

WITHOUT EXTERNAL SHIELD

GRID 1 TO PLATE - MAX.	.019	pf
INPUT (G1 TO H + K + G3 + I.S. + G2)	8.2	pf
OUTPUT (P TO H + K + G3 + I.S. + G2)	3.0	pf

HEATER CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM RATINGS - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	3.5 VOLTS	600	mA
HEATER WARM-UP TIME		11	SECONDS
LIMITS OF SUPPLIED CURRENT		600 ± 40	mA

MAXIMUM HEATER-CATHODE VOLTAGE:

HEATER NEGATIVE WITH RESPECT TO CATHODE		
TOTAL DC AND PEAK	200	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE		
DC	100	VOLTS
TOTAL DC AND PEAK	200	VOLTS

CONTINUED ON FOLLOWING PAGE

CONTINUED FROM PRECEDING PAGE

MAXIMUM RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

PLATE VOLTAGE	330	VOLTS
GRID 2 SUPPLY VOLTAGE	330	VOLTS
GRID 2 VOLTAGE	See Rating Chart	
POSITIVE GRID 1 VOLTAGE	0	VOLTS
PLATE DISSIPATION	2.5	WATTS
GRID 2 DISSIPATION - UP TO 165 VOLTS	0.6	WATT
GRID 1 CIRCUIT RESISTANCES:		
CATHODE-BIAS RESISTOR	1	MEGOHM
FIXED BIAS	0.25	MEGOHM

CHARACTERISTICS AND TYPICAL OPERATION

PLATE VOLTAGE	125	VOLTS
GRID 3 VOLTAGE	Connected To Cathode At Socket	
GRID 2 VOLTAGE	125	VOLTS
CATHODE-BIAS RESISTOR	56	OHMS
PLATE CURRENT	13	mA
GRID 2 CURRENT	3.2	mA
TRANSCONDUCTANCE	15,000	μ MHOS
PLATE RESISTANCE	0.18	MEGOHM
GRID 1 VOLTAGE FOR $I_b = 100$ mA	-3.0	VOLTS

