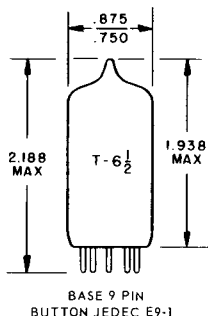
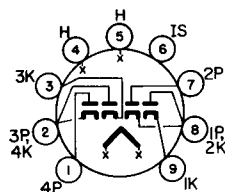


TUNG-SOL

## QUADRUPLE DIODE

MINIATURE TYPE

OUTLINE DRAWING  
JEDEC 6-2BASING DIAGRAM  
JEDEC 9PQ

FOR  
FM STEREO MULTIPLEX  
EQUIPMENT AND COLOR  
T.V. RECEIVERS  
ANY MOUNTING POSITION

BOTTOM VIEW

THE 6JU8A IS A GENERAL-PURPOSE QUADRUPLE DIODE IN THE 9 PIN MINIATURE CONSTRUCTION. IT IS INTENDED FOR USE IN PHASE-DETECTOR AND NOISE-IMMUNE COLOR-KILLER CIRCUITS OF COLOR-TELEVISION RECEIVERS AND PARTICULARLY FOR USE IN BRIDGE-MATRIXING CIRCUITS SUCH AS THOSE USED IN FM STEREO MULTIPLEX EQUIPMENT. EXCEPT FOR A SMALLER T-6½ ENVELOPE, THE 6JU8A IS IDENTICAL TO THE 6JU8.

## DIRECT INTERELECTRODE CAPACITANCES

WITHOUT EXTERNAL SHIELD

PLATE OF UNIT 1 & CATHODE OF UNIT 2 TO CATHODE OF UNIT 1	1.8	pf
PLATE OF UNIT 1 & CATHODE OF UNIT 2 TO PLATE OF UNIT 2	2.2	pf
PLATE OF UNIT 2 TO INTERNAL SHIELD AND HEATER	0.62	pf
PLATE OF UNIT 3 & CATHODE OF UNIT 4 TO CATHODE OF UNIT 3	1.9	pf
PLATE OF UNIT 3 & CATHODE OF UNIT 4 TO PLATE OF UNIT 4	2.2	pf
PLATE OF UNIT 4 TO INTERNAL SHIELD AND HEATER	0.94	pf
CATHODE OF UNIT 1 TO INTERNAL SHIELD AND HEATER	1.8	pf
CATHODE OF UNIT 3 TO INTERNAL SHIELD AND HEATER	1.9	pf

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**HEATER CHARACTERISTICS AND RATINGS**

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	6.3 VOLTS	600	mA
LIMITS OF APPLIED VOLTAGE		6.3 ± 0.6	VOLTS
PEAK HEATER - CATHODE VOLTAGE - EACH UNIT:			
HEATER NEGATIVE WITH RESPECT TO CATHODE		300	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE		300	VOLTS

**MAXIMUM RATINGS**

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

EACH UNIT

PEAK INVERSE PLATE VOLTAGE		300	VOLTS
PEAK PLATE CURRENT		54	mA
DC OUTPUT CURRENT		9	mA

**CHARACTERISTICS - INSTANTANEOUS VALUE**

EACH UNIT

PLATE CURRENT FOR $E_b = 10$ VOLTS		60	mA
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