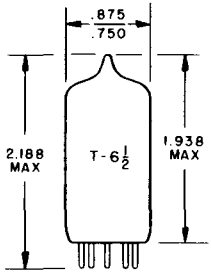
TUNG-SOL

QUADRUPLE DIODE

MINIATURE TYPE

OUTLINE DRAWING
JEDEC 6-2



BASE 9 PIN
BUTTON JEDEC E9-1

FOR

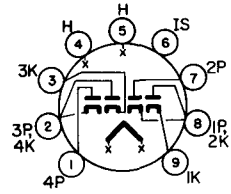
FM STEREO MULTIPLEX

EQUIPMENT AND COLOR

T.V. RECEIVERS

ANY MOUNTING POSITION

BASING DIAGRAM
JEDEC 9PQ



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 STERO 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

CONTINUED ON FOLLOWING PAGE

CONTINUED FROM PRECEDING PAGE

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