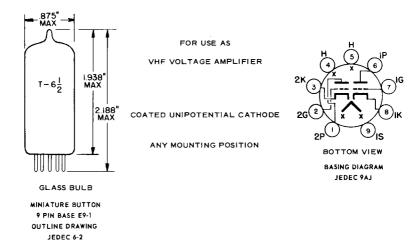
TUNG-SOL -

DOUBLE TRIODE

MINIATURE TYPE



THE 6BQ7 COMBINES TWO INDEPENDENT MEDIUM-MU INDIRECTLY HEATED CATHODE TYPE TRIODES IN THE 9 PIN MINIATURE CONSTRUCTION. LOW INTERELECTRODE CAPACITANCES, HIGH TRANSCONDUCTANCE AND SHIELDING BETWEEN THE TWO SECTIONS ADAPT IT FOR USE IN THE GROUNDED-CATHODE INPUT/GROUNDED-GRID OUTPUT OR CASCODE CIRCUIT PROVIDING LOW TUBE NOISE AND GOOD STABILITY AS A VHF VOLTAGE AMPLIFIER.

→ DIRECT INTERELECTRODE CAPACITANCES A

	#1 TRIODE	#2 TRIODE	
GRID TO PLATE: (G TO P)	1.15	1.15	ρf
PLATE TO CATHODE: (P TO K) MAX.	0.15	0.15	pf
HEATER TO CATHODE: (H TO K)	2.20	2.30	pf
#1 TRIODE INPUT: G TO (H + K + I.S.)	2.85		pf
#2 TRIODE INPUT: K TO (H + G + I.S.) B	******	4.95	pf
#1 TRIODE OUTPUT: P TO (H + K + I.S.)	1.35		ρf
#2 TRIODE OUTPUT: P TO (H + G + I.S.)	B	2.27	pf
#1 TRIODE PLATE TO #2 TRIODE PLATE	t:		
(1P TO 2P) MAX.	0.01	0	ρf
#2 TRIODE PLATE TO #1 TRIODE PLATE	& GRID:		
(2P TO 1P + 1G) MAX.	0.02	24	pf

HEATER CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	6.3	VOLTS	400	MA.
HEATER SUPPLY LIMITS: VOLTAGE OPERATION			6.3 ± 0.6	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE: HEATER NEGATIVE WITH RESPECT TO HEATER POSITIVE WITH RESPECT TO		;	200 200	VOLTS VOLTS

CONTINUED ON FOLLOWING PAGE

TUNG-SOL -

CONTINUED FROM PRECEDING PAGE

MAXIMUM RATINGS

DESIGN CENTER VALUES - SEE EIA STANDARD RS-239

PLATE VOLTAGE ^C	250	VOLTS
PLATE DISSIPATION	2	WATTS
CATHODE CURRENT	20	MA.
GRID CIRCUIT RESISTANCE *	0.5	MEGOHM

TYPICAL OPERATING CHARACTERISTICS

CLASS A1 AMPLIFIER- EACH UNIT

PLATE VOLTAGE	1 50	VOLTS
CATHODE BIAS RESISTOR	220	OHMS
PLATE CURRENT	9	MA.
AMPLIFICATION FACTOR	35	
TRANSCONDUCTANCE	6000	μ MHOS
PLATE RESISTANCE	5800	OHMS
GRID VOLTAGE (APPROX.)		
FOR 16 = 10 µA	-10	VOLTS

A EXTERNAL SHIELD 315 CONNTECTED TO CATHODE

READ AS GROUNDED GRID AMPLIFIER.

THIS RATING MAY BE AS HIGH AS 300 VOLTS UNDER CUTOFF CONDITIONS, IN GROUNDED-GRID CIRCUIT WITH DIRECT COUPLED DRIVE.

- * INDICATES AN ADDITION
- → INDICATES A CHANGE.