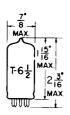
TUNG-SOL

TWIN TRIODE



MINIATURE TYPE
COATED UNIPOTENTIAL CATHODE

HEATER
6.3 VOLTS 0.4 AMP.
AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW SMALL-BUTTON NOVAL 9 PIN BASE 9AJ

GLASS BULB

THE 68S8 IS A 9-PIN MINIATURE TWIN TRIODE DESIGNED FOR USE AS A LOW-NOISE VHF AMPLIFIER IN CASCODE OPERATION. THIS TYPE HAS HIGH GAIN AND HIGH CASCODE TRANSCONDUCTANCE. IT IS DESIGNED FOR OPERATION WITH SECTION 2 (PINS 1, 2, AND 3) AS INPUT SECTION OF THE CASCODE CIRCUIT.

DIRECT INTERELECTRODE CAPACITANCES

WEIN EXIEKNAL SHIELD #315	UNIT 1	UNIT 2	
GRID TO PLATE	1.15	1.15	μu f
PLATE TO CATHODE (MAX.)	0.15	0.15	ии f
HEATER TO CATHODE	2.60	2.6	$\mu\mu$ f
INPUT	2.60		µц f
OUTPUT	1.2		ии f
PLATE OF UNIT 1 TO PLATE OF UNIT 2 (MAX.)		0.010	µµ f
PLATE OF UNIT 2 TO PLATE AND GRID OF UNIT 1 (MA	x.)	0.024	и и f
GROUNDED GRID OPERATION:			
INPUT		5.0	µµ f
OUTPUT		2.2	µµ f

RATINGS

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM CLASS A AMPLIFIER -EACH UNIT

HEATER VOLTAGE	6.3	VOLTS
MAXIMUM DC PLATE VOLTAGE	150	VOLTS
MAXIMUM DC CATHODE CURRENT	20	MA.
MAXIMUM PLATE DISSIPATION	2.0	WATTS
MAXIMUM PEAK HEATER-CATHODE VOLTAGE: HEATER POSITIVE WITH RESPECT TO CATHODE HEATER NEGATIVE WITH RESPECT TO CATHODE	200 200	VOLTS VOLTS
MAXIMUM CIRCUIT VALUE: (EACH UNIT) GRID CIRCUIT RESISTANCE	0.5	медонм

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	0.4	AMPERE
PLATE VOLTAGE	150	VOLTS
CATHODE BIAS RESISTOR	220	OHMS
AMPLIFICATION FACTOR	36	
PLATE RESISTANCE	5000	OHMS
PLATE CURRENT	10	MA.
GRID VOLTAGE (APPROX.) FOR $l_h = 10 \mu a$	-7 (SEC. 2 ONLY)	VOL.TS
TRANSCONDUCTANCE	7200	∠M HOS

CONTINUED ON FOLLOWING PAGE

----- TUNG-SOL -----

CONTINUED FROM PRECEDING PAGE

TYPICAL CASCODE CONDITIONS AND CHARACTERISTICS

HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	0.4	AMPERE
PLATE SUPPLY VOLTAGE	250	VOLTS
GRID VOLTAGE	-1	VOLTS
PLATE CURRENT	16	MA.
GRID VOLTAGE (APPROX.) FOR G = 50 MMHOS	-6	VOL TS
TRANSCONDUCTANCE	10 000	μ м нοs

→ INDICATES A CHANGE.