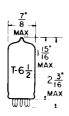
TUNG-SOL -

TWIN TRIODE



MINIATURE TYPE
COATED UNIPOTENTIAL CATHODE

HEATER
4.5 VOLTS 0.6 AMP.
AC OR DC

ANY MOUNTING POSITION

GLASS BULB



BOTTOM VIEW

SMALL-BUTTON NOVAL 9 PIN BASE

9AJ

THE 4888 IS A 9-PIN MINIATURE TWIN TRIODE DESIGNED FOR USE AS A LOWNOISE 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. THERMAL CHAPACTERISTICS OF THE HEATER HAVE BEEN CONTROLLED SUCH THAT HEATER VOLTAGE SURGES DURING THE WARM-UP CYCLE ARE MINIMIZED PROVIDED IT IS USED WITH OTHER TYPES WHICH ARE SIMILARLY CONTROLLED. EXCEPT FOR HEATER WARM-UP TIME AND HEATER RATINGS, IT IS IDENTICAL TO THE 6888.

DIRECT INTERELECTRODE CAPACITANCES

WITH EXTERNAL SHIELD #319	UNIT 1	UNIT 2	
GRID TO PLATE	1.15	1.15	ии f
PLATE TO CATHODE (MAX.)	0.15	0.15	цц f
HEATER TO CATHODE	2.60	2.6	цц f
INPUT	2.60		ии f
CUTPUT	1.2		ии f
PLATE OF UNIT 1 TO PLATE OF UNIT 2 (MAX.)		0.010	щи f
PLATE OF UNIT 2 TO PLATE AND GRID OF UNIT 1 (MA	x.)	0.024	ш е f
GROUNDED GRID OPERATION:			
INPUT		5.0	щи f
OUTPUT		2.2	µµ f

RATINGS INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM CLASS A1 AMPLIFIER—EACH UNIT

HEATER VOLTAGE	4.5	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 HEATER WARM-UP TIME (APPROX.)	0.5 11.0	MEGOHM SECONDS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

HEATER VOLTAGE	4.5	VOLTS
HEATER CURRENT	0.6	AMPERE
PLATE VOLTAGE	150	VOL TS
CATHODE BIAS RESISTOR	220	OHMS
AMPLIFICATION FACTOR	36	
PLATE RESISTANCE	5000	OHMS
PLATE CURRENT	10	MA.
GRID VOLTAGE (APPROX.) FOR I = 10 4A	-7 (SEC. 2 ONLY)	VOLTS
TRANSCONDUCTANCE	7200	∠MHOS

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TUNG-SOL ----

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TYPICAL CASCODE CONDITIONS AND CHARACTERISTICS

HEATER VOLTAGE	4.5	VOLTS
HEATER CURRENT	0.6	AMPERE
PLATE SUPPLY VOLTAGE	250	VOLTS
GRID VOLTAGE	-1	VOLTS
PLATE CURRENT	16	MA.
GRID VOLTAGE (APPROX.) FOR Gm = 50 MMHOS	- 6	VOLTS
TRANSCONDUCTANCE	10 000	µMH05

- INDICATES A CHANGE.