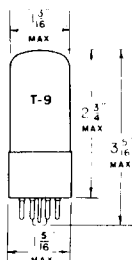


TUNG-SOL



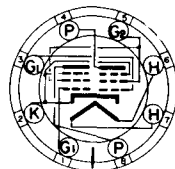
TWIN-PENTODE POWER AMPLIFIER

UNIPOTENTIAL CATHODE

HEATER

12.6 VOLTS

0.15 AMPERES



THE 12L8-GT IS A HEATER-CATHODE TYPE OF TWIN-UNIT TUBE WHICH CONTAINS TWO POWER-AMPLIFIER PENTODES WHICH HAVE A COMMON CATHODE. USING SINGLE-ENDED GT-CONSTRUCTION, THE 12L8-GT IS USEFUL IN THE OUTPUT STAGE OF COMPACT, LIGHTWEIGHT EQUIPMENT WHERE MODERATE POWER OUTPUT IS DESIRED. IN SUCH SERVICE, THE UNITS MAY BE CONNECTED IN PUSH-PULL OR IN PARALLEL DEPENDING ON THE REQUIREMENTS.

RATINGS

HEATER OR FILAMENT VOLTAGE (AC OR DC)		12.6	VOLTS
HEATER OR FILAMENT CURRENT		0.15	AMP.
MAXIMUM PLATE VOLTAGE	EACH UNIT	180	VOLTS
MAXIMUM SCREEN VOLTAGE	" "	180	VOLTS
MAXIMUM PLATE DISSIPATION	" "	2.5	WATTS
MAXIMUM SCREEN DISSIPATION	" "	1.0	WATT
MAXIMUM D-C HEATER-CATHODE POTENTIAL		100	VOLTS

DIRECT INTERELECTRODE CAPACITANCES (WITH NO EXTERNAL SHIELD)

	PENTODE UNIT P1	PENTODE UNIT P2	
CONTROL GRID TO CATHODE	5.0	5.0	$\mu\mu\text{f}$
PLATE TO CATHODE	6.0	6.0	$\mu\mu\text{f}$
GRID TO PLATE	0.7	0.7	$\mu\mu\text{f}$
GRID TO GRID		0.08	$\mu\mu\text{f}$
PLATE TO PLATE		1.5	$\mu\mu\text{f}$
GRID OF P1-PLATE OF P2		0.2	$\mu\mu\text{f}$
GRID OF P2-PLATE OF P1		0.1	$\mu\mu\text{f}$

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A AMPLIFIER (EACH SECTION)

HEATER OR FILAMENT VOLTAGE	12.6	VOLTS
HEATER OR FILAMENT CURRENT	0.15	AMP.
PLATE VOLTAGE	180	VOLTS
SCREEN VOLTAGE	180	VOLTS
CONTROL GRID VOLTAGE	-9	VOLTS
PEAK AF SIGNAL VOLTAGE	9	VOLTS
ZERO-SIGNAL PLATE CURRENT	13	MA.
ZERO-SIGNAL SCREEN CURRENT	2.8	MA.
MAXIMUM-SIGNAL PLATE CURRENT	13.5	MA.
MAXIMUM-SIGNAL SCREEN CURRENT	4.6	MA.
PLATE RESISTANCE	0.16	MEGOHM
TRANSCONDUCTANCE	2150	μMHOS
LOAD RESISTANCE	10000	OHMS
TOTAL HARMONIC DISTORTION	10	PER CENT
POWER OUTPUT	1	WATT