

Scanned Datasheet

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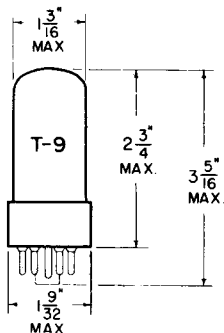
Resources

[Datasheet Archive - Datasheet & Application Note Search Engine](#)

[SupplyFrame - Datasheet & Application Note Search Engine](#)

TUNG-SOL

BEAM PENTODE



GLASS BULB

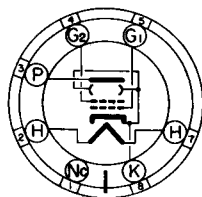
COATED UNIPOTENTIAL CATHODE

HEATER

50 VOLTS 0.15 AMP.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

INTERMEDIATE SHELL
7 PIN OCTAL

7AC

THE 50L6GT IS DESIGNED FOR SERVICE IN THE OUTPUT STAGE OF AC/DC RECEIVERS. IT DELIVERS A HIGH POWER OUTPUT WITH HIGH POWER SENSITIVITY FROM LOW SUPPLY VOLTAGES.

RATINGS

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

HEATER VOLTAGE	50	VOLTS
MAXIMUM PLATE VOLTAGE	200	VOLTS
MAXIMUM GRID #2 VOLTAGE	125	VOLTS
MAXIMUM PLATE DISSIPATION	10	WATTS
MAXIMUM GRID #2 DISSIPATION	1.25	WATTS
MAXIMUM GRID #1 CIRCUIT RESISTANCE (FIXED BIAS)	0.1	MEGOHM
MAXIMUM GRID #1 CIRCUIT RESISTANCE (SELF BIAS)	0.5	MEGOHM
MAXIMUM HEATER-CATHODE VOLTAGE: ←		
HEATER NEGATIVE WITH RESPECT TO CATHODE DC AND PEAK	200	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE DC	100	VOLTS
DC AND PEAK	200	VOLTS

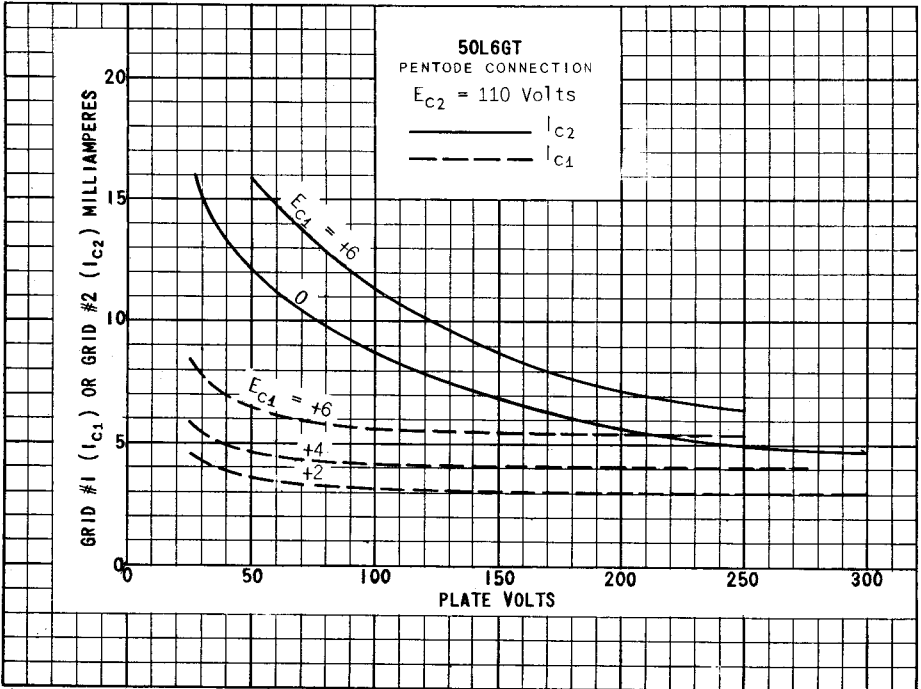
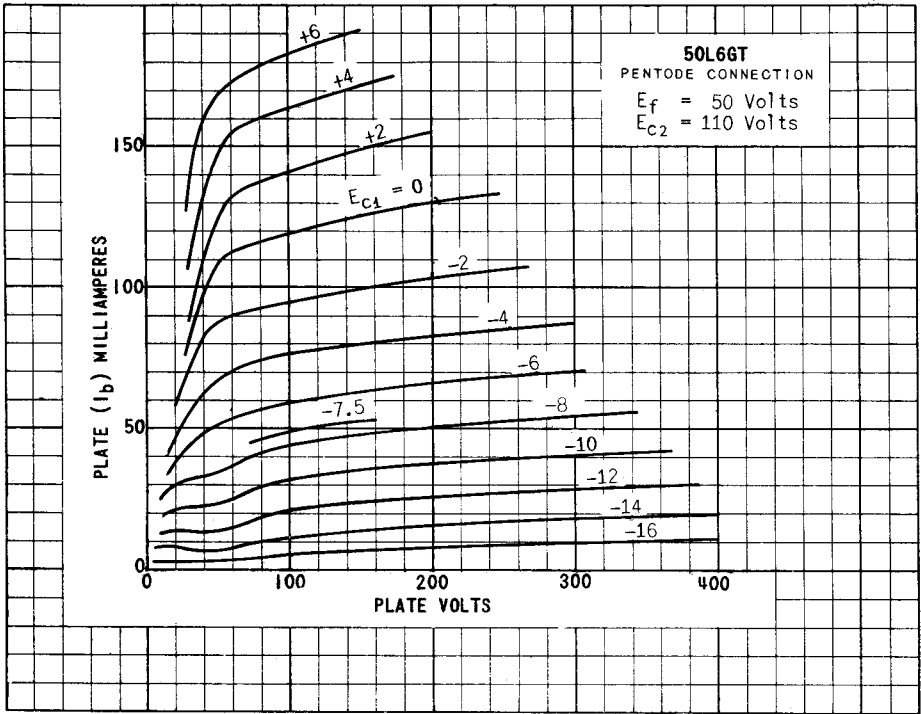
TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

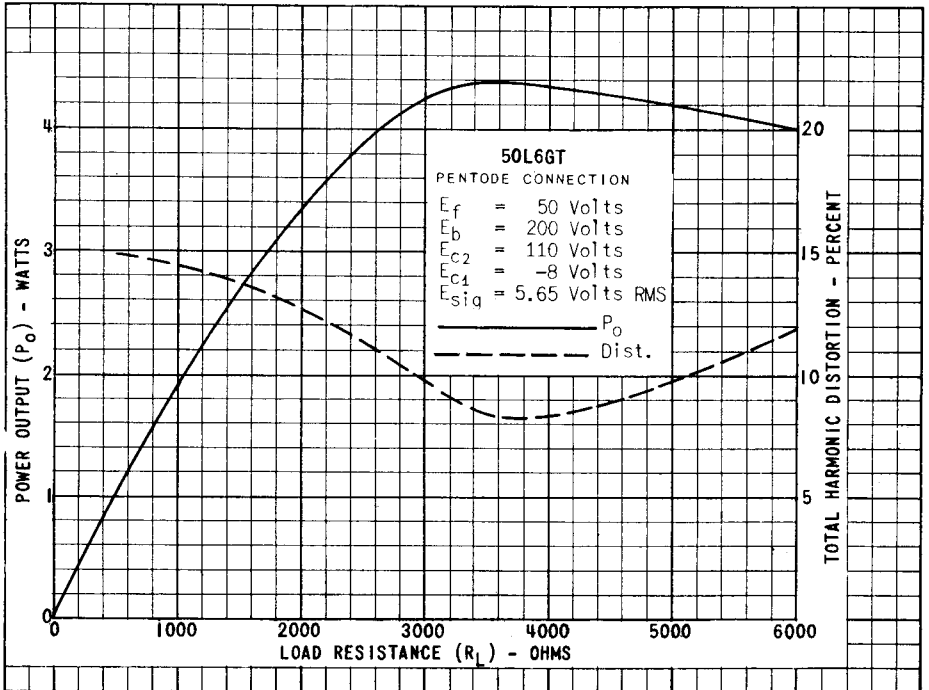
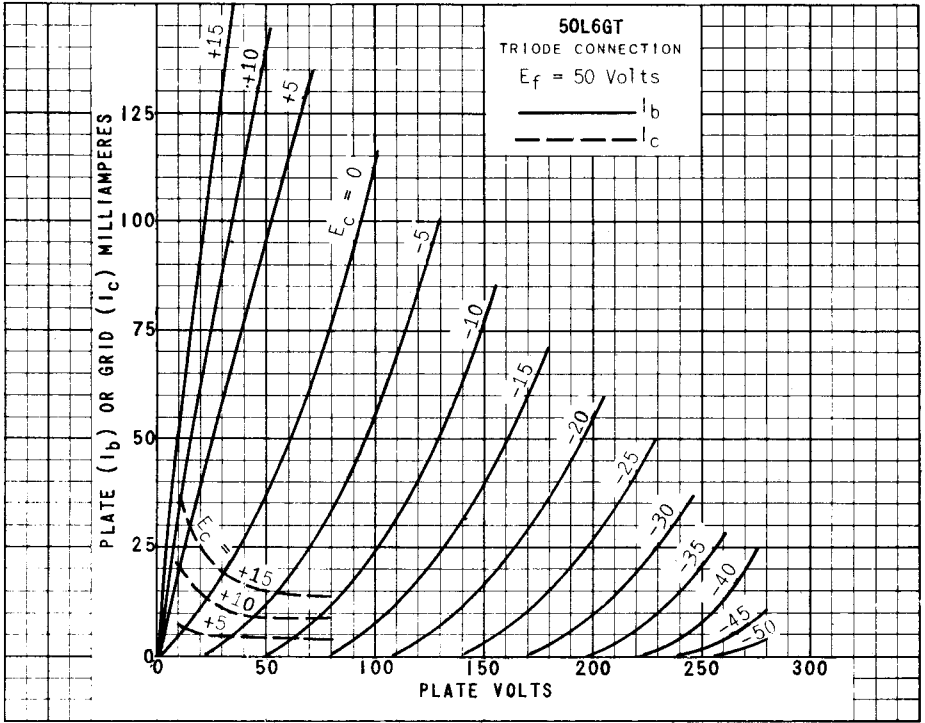
CLASS A₁ AMPLIFIER

HEATER VOLTAGE	50	50	VOLTS
HEATER CURRENT	0.15	0.15	AMP.
PLATE VOLTAGE	110	200	VOLTS
GRID #2 VOLTAGE	110	125	VOLTS
GRID #1 VOLTAGE	-7.5	0	VOLTS
CATHODE BIAS RESISTOR	0	180	OHMS
PEAK AF GRID #1 VOLTAGE	7.5	8.5	VOLTS
PLATE RESISTANCE (APPROX.)	13 000	28 000	OHMS
TRANSCONDUCTANCE	8 000	8 000	μMHOS
ZERO-SIGNAL PLATE CURRENT	49	46	MA.
MAXIMUM-SIGNAL PLATE CURRENT	50	47	MA.
ZERO-SIGNAL GRID #2 CURRENT	4	2.2	MA.
MAXIMUM-SIGNAL GRID #2 CURRENT	10	8.5	MA.
LOAD RESISTANCE	2 000	4 000	OHMS
TOTAL HARMONIC DISTORTION (APPROX.)	10	10	PERCENT
POWER OUTPUT	2.1	3.8	WATTS

→ INDICATES A CHANGE.

50L6GT





V B HIGGINS

PLATE
2690
JUNE 1
1951