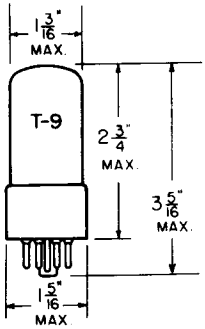
1SB6GT

TUNG-SOL

DIODE PENTODE AMPLIFIER



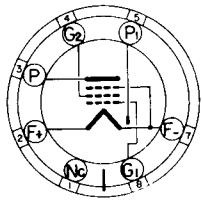
COATED FILAMENT

1.4 VOLTS 0.05 AMPERE

D C

GLASS BULB

ANY MOUNTING POSITION



BOTTOM VIEW

INTERMEDIATE SHELL

OCTAL 7 PIN BASE

THE 1SB6GT IS A LOW DRAIN FILAMENT TYPE SINGLE DIODE-PENTODE TUBE DESIGNED FOR USE IN BATTERY OPERATED EQUIPMENT. IT FEATURES SINGLE ENDED CONSTRUCTION AND INCORPORATES A PENTODE CAPABLE OF RELATIVELY HIGH VOLTAGE GAIN.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD MB-210

MAXIMUM PENTODE PLATE VOLTAGE	90	VOLTS
MAXIMUM SCREEN GRID VOLTAGE	67.5	VOLTS

DIRECT INTERELECTRODE CAPACITANCES

CONTROL GRID TO PENTODE PLATE	0.25	μμf
INPUT (CONTROL GRID - FIL, G2, G3)	3.2	μμf
OUTPUT (PENTODE PLATE - FIL, G2, G3)	3.0	μμf
PENTODE PLATE TO DIODE PLATE	0.5	μμf

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

PENTODE PLATE VOLTAGE	45	67.5	90	VOLTS
SCREEN GRID VOLTAGE	45	67.5	67.5	VOLTS
CONTROL GRID VOLTAGE	0	0	0	VOLTS
PLATE CURRENT	0.6	1.4	1.45	MA.
SCREEN GRID CURRENT	0.16	0.4	0.38	MA.
TRANSCONDUCTANCE	500	650	665	μMHOS
PLATE RESISTANCE	0.9	0.6	0.7	MEGOHMS

AS VOLTAGE AMPLIFIER

PLATE SUPPLY VOLTAGE	45	67.5	90	VOLTS
SCREEN GRID SUPPLY VOLTAGE	45	67.5	90	VOLTS
CONTROL GRID VOLTAGE[A]	0	0	0	VOLTS
LOAD RESISTOR*	1.0	1.0	1.0	MEGOHMS
SERIES SCREEN GRID RESISTOR	5.0	5.0	5.0	MEGOHMS
SCREEN GRID BY-PASS CONDENSER	0.1	0.1	0.1	μf
CONTROL GRID RESISTOR	5.0	5.0	5.0	MEGOHMS
VOLTAGE GAIN	65	90	110	

[A] REFERRED TO NEGATIVE FILAMENT TERMINAL

PLATE 1512
OCT. 31 1944