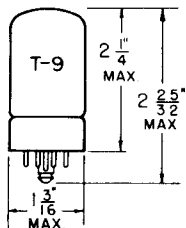
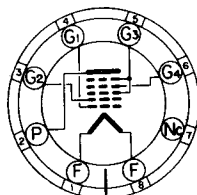


TUNG-SOL

PENTAGRID CONVERTER



COATED FILAMENT
 1.4 VOLTS 0.050 AMPERE
 DC



BOTTOM VIEW
 LOCKING-IN
 8-PIN BASE

GLASS BULB

ANY MOUNTING POSITION

THE 1LC6 IS A PENTAGRID CONVERTER, DESIGNED FOR SERVICE AS AN OSCILLATOR AND MIXER IN SUPERHETERODYNE RECEIVERS.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD MB-210

MAXIMUM PLATE VOLTAGE	90	VOLTS
MAXIMUM SCREEN (G3 AND G5) VOLTAGE	35	VOLTS
MAXIMUM SCREEN SUPPLY VOLTAGE	90	VOLTS
MAXIMUM TOTAL CATHODE CURRENT	3.0	MA.
MAXIMUM ANODE GRID (G2) VOLTAGE	45	VOLTS

DIRECT INTERELECTRODE CAPACITANCES

WITH EXTERNAL SHIELD CONNECTED TO NEGATIVE FILAMENT (PIN B)

SIGNAL GRID (G4) TO MIXER PLATE (P)	0.28	μmf
SIGNAL GRID (G4) TO OSC. PLATE (G2)	0.38	μmf
SIGNAL GRID (G4) TO OSC. GRID (G1)	0.11	μmf
OSC. GRID (G1) TO OSC. PLATE (G2)	0.6	μmf
SIGNAL INPUT: G4 TO ALL OTHER ELECTRODES	9.0	μmf
OSC. INPUT: G1 TO ALL OTHER ELECTRODES EXCEPT G2	2.4	μmf
OSC. OUTPUT: G2 TO ALL OTHER ELECTRODES EXCEPT G1	4.8	μmf
MIXER OUTPUT: P TO ALL OTHER ELECTRODES	5.5	μmf

CONTINUED ON NEXT PAGE

PRINTED IN U. S. A.

PLATE
 1533
 JAN. 15
 1945

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CONVERTER SERVICE

PLATE VOLTAGE	45	90	VOLTS
SCREEN (G3 AND G5) VOLTAGE	35	35	VOLTS
CONTROL GRID (G4) VOLTAGE ^A	0	0	VOLTS
ANODE GRID (G2) VOLTAGE	45	45	VOLTS
PLATE CURRENT	0.7	0.75	MA.
SCREEN CURRENT	0.75	0.7	MA.
ANODE GRID CURRENT	1.4	1.4	MA.
OSC. GRID CURRENT	0.035	0.035	MA.
TOTAL CATHODE CURRENT	2.9	2.9	MA.
OSC. GRID (G4) RESISTOR	0.2	0.2	MEGOHM
CONVERSION TRANSCONDUCTANCE AT EC4 = 0	250	275	μMHOS
CONVERSION TRANSCONDUCTANCE AT EC4 = -2	50	50	μMHOS
CONVERSION TRANSCONDUCTANCE AT EC4 = -3	5.0	5.0	μMHOS
PLATE RESISTANCE	0.3	0.65	MEGOHM

^A UNDER MAXIMUM RATED CONDITIONS THERE SHOULD BE A RESISTANCE OF AT LEAST 1.0 MEGOHM IN THE RETURN TO THE NEGATIVE FILAMENT PIN.

PLATE
1534
JAN. 15
1945