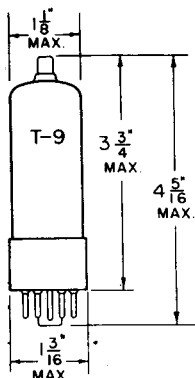


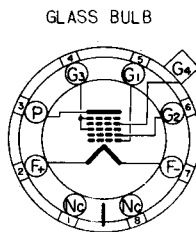
TUNG-SOL

PENTAGRID CONVERTER



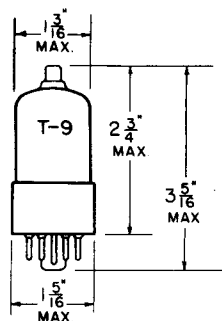
IB7G

SKIRTED MINIATURE
STYLE C CAP

COATED FILAMENT
1.4 VOLTS 0.10 AMPERE
DC


BOTTOM VIEW

SMALL 8-PIN OCTAL



IB7GT

SKIRTED MINIATURE
STYLE C CAP

ANY MOUNTING POSITION

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

MAXIMUM PLATE VOLTAGE	100	VOLTS
MAXIMUM SCREEN (G3 AND G5) VOLTAGE	55	VOLTS
MAXIMUM SCREEN SUPPLY VOLTAGE	90	VOLTS
MAXIMUM ANODE GRID (G2) VOLTAGE	90	VOLTS
MAXIMUM TOTAL CATHODE CURRENT	6.0	MA.

DIRECT INTERELECTRODE CAPACITANCES

TUBE SHIELD CONNECTED TO NEGATIVE FILAMENT

SIGNAL GRID (G4) TO MIXER PLATE (P)	0.34	μf
SIGNAL GRID (G4) TO OSC. PLATE (G2)	0.26	μf
SIGNAL GRID (G4) TO OSC. GRID (G1)	0.12	μf
OSC. GRID (G1) TO OSC. PLATE (G2)	0.90	μf
SIGNAL INPUT: G4 TO (F+G1+G2+G3+G5+P+SHIELD)	7.00	μf
OSC. OUTPUT: G2 TO (F+G3+G4+G5+P+SHIELD)	4.20	μf
OSC. INPUT: G1 TO (F+G3+G4+G5+P+SHIELD)	4.00	μf
MIXER OUTPUT: P TO (F+G1+G2+G3+G4+G5+SHIELD)	7.50	μf

TUNG-SOL

CONTINUED FROM PRECEDING PAGE.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CONVERTER SERVICE

PLATE VOLTAGE	90	VOLTS
SCREEN (G3 AND G5) VOLTAGE	45	VOLTS
ANODE GRID (G2) VOLTAGE	90	VOLTS
CONTROL GRID (G4) VOLTAGE ^A	0	VOLTS
OSC. GRID (G1) RESISTOR	200 000	OHMS
PLATE RESISTANCE	0.35	MEGOHM
CONVERSION TRANSCONDUCTANCE	350	μMHOS
CONTROL GRID VOLTAGE		
FOR TRANSCONDUCTANCE=2 μMHOS (APPROX.)	-14.5	VOLTS
PLATE CURRENT	1.5	MA.
SCREEN CURRENT	1.3	MA.
ANODE GRID CURRENT	1.6	MA.
OSC. GRID (G1) CURRENT	0.035	MA.
TOTAL CATHODE CURRENT	4.4	MA.

^A RETURN TO NEGATIVE FILAMENT PIN #7