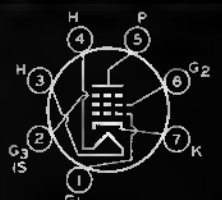
TUBES FOR MOBILE COMMUNICATIONS EQUIPMENT

RCA Type	Description
TYPES OPERATING FROM 3-CELL STORAGE-BATTERY SYSTEMS	
6660/ 68A6	Remote-Cutoff Pentode. 7-pin miniature heater-cathode type. For hf wide-band amplifier circuits. For renewal use.
6661/ 68H6	Sharp-Cutoff Pentode. 7-pin miniature heater-cathode type. For hf wide-band amplifier circuits. For renewal use.
6662/ 68J6	Remote-Cutoff Pentode. 7-pin miniature heater-cathode type. For use in rf wide-band amplifier circuits. For renewal use.
6663/ 6AL5	Twin Diode. 7-pin miniature heater-cathode type. For low-current rectifier and detector circuits. For renewal use.
6669/ 6AQ5-A	Beam Power Tube. 7-pin miniature heater-cathode type. For use as an af power amplifier. For renewal use.
6677/ 6CL6	Power Pentode. 9-pin miniature heater-cathode type. For output power stages. For renewal use.
6678/ 6U8-A	Medium-Mu Triode, Sharp-Cutoff Pentode. 9-pin miniature heater cathode type. For use as a combined oscillator and mixer in vhf circuits. For renewal use.
6679/ 12AT7	High-Mu Twin Triode. 9-pin miniature heater-cathode type. For use as a frequency converter below 300 Mc. For renewal use.
6680/ 12AU7-A	Medium-Mu Twin Triode. 9-pin miniature heater-cathode type. For oscillator and multivibrator applications. For renewal use.
6681/ 12AX7	High-Mu Twin Triode. 9-pin miniature heater-cathode type. For phase-inverter and oscillator circuits. For renewal use.

TUBES HAVING 26.5-VOLT HEATERS

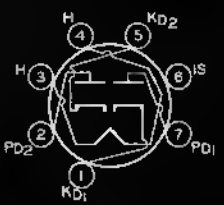
26A6	Remote-Cutoff Pentode. 7-pin miniature type. Features high transconductance.	Of special use in aircraft receivers where operating voltages are obtained from 12-cell storage batteries.
26A7-GT	Twin Beam Power Tube. Single-ended type with a common cathode. Octal 8-pin base.	
26C6	Twin Diode—Medium-Mu Triode. 7-pin miniature. Useful as a detector, amplifier and avc tube.	
26D6	Pentagrid Converter. 7-pin miniature. Useful as mixer and oscillator in superheterodyne receivers.	
6082	Low-Mu Twin Power Triode. Useful as regulator tube in stabilized dc power supplies subject to shock and vibration. Octal 8-pin base.	

For key to terminal connections see page 30.



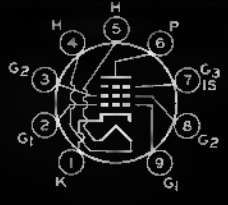
6660/6BA6 26A6

6661/6BH6 6662/6BJ6



6663/6AL5

6669/6AQ5-A



6677/6CL6

6678/6U8-A

6679/12AT7
6680/12AU7-A 6681/12AX7

TUBES FOR MOBILE COMMUNICATIONS EQUIPMENT

Cathode		Maximum Dimensions (Inches)		Class of Service	Maximum Ratings			Operating Conditions and Characteristics									RCA Type
Volts	Amp.	Length	Diam.		Plate Volts	Plate Dissipation Watts	Grid No. 2 Input Watts	Plate Supply Volts	Grid-No. 1 Volts(v) or Cathode Resistance Ohms	Grid No. 2 Supply Volts	Grid No. 2 Current Ma.	Plate Current Ma.	AC Plate Resistance Ohms	Transconductance Micromhos	Amplification Factor	Power Output Watts	
TYPES OPERATING FROM 3-CELL STORAGE-BATTERY SYSTEMS																	
6.3	0.3	2 1/8	3/4	Class A_1 Amplifier	330	3.3	0.65	100	68	100	4.4	10.8	250000	4300	—	—	6660/6BA6
6.3	0.15	2 1/8	3/4	Class A_1 Amplifier	330	3.3	0.55	250	100	150	2.6	7.4	1400000	4600	—	—	6661/6BH6
6.3	0.15	2 1/8	3/4	Class A_1 Amplifier	330	3.3	0.65	250	80	100	3.3	9.2	1300000	3600	—	—	6662/6BJ6
6.3	0.3	1 3/4	3/4	Half-Wave Rectifier	Maximum Ratings, Design-Maximum Values: Peak Inverse Plate Volts, 275 DC Output Ma. (per Plate), 10 Steady-State Peak Plate Ma. (per Plate), 60												6663/6AL5
6.3	0.45	2 5/8	3/4	Class A_1 Amplifier	250	12	2.0	250	−12.5v	250	4.5	45	52000	4100	—	4.5▲	6669/6AQS-A
6.3	0.65	2 5/8	7/8	Class A_1 Amplifier	330	8.5	2.0	250	−3v	150	7	30	150000	11000	—	2.8●	6677/6CL6
6.3	0.45	2 5/16	7/8	Class A_1 Amplifier — Triode Unit	330	3.0	—	150	56	—	—	18	5000	8500	40	—	6678/6U8-A
				Class A_1 Amplifier — Pentode Unit	330	3.0	0.55	250	68	110	3.5	10	400000	5200	—	—	
6.3 / 12.6	0.3 / 0.15	2 3/16	7/8	Class A_1 Amplifier Each Unit	330	2.8	—	250	200	—	—	10	10900	5500	60	—	6679/12AT7
6.3 / 12.6	0.3 / 0.15	2 3/16	7/8	Class A_1 Amplifier Each Unit	330	3.0	—	250	−8.5v	—	—	10.5	7700	2200	17	—	6680/12AU7-A
6.3 / 12.6	0.3 / 0.15	2 3/16	7/8	Class A_1 Amplifier Each Unit	330	1.1	—	250	−2v	—	—	1.2	62500	1600	100	—	6681/12AX7

TUBES HAVING 26.5-VOLT HEATERS

26.5	0.07	2 1/8	3/4	Class A_1 Amplifier	250	3.0	0.4	26.5 250	— 125	26.5 100	0.7 4.0	1.7 10.5	250000 1000000	2000 4000	Grid Res., 2 meg. ohms — —		26A6
26.5	0.6	3 13/16	1 5/16	Class A_1 Amplifier■	50	2.0	0.5	26.5	−4.5v	26.5	1.9	20	—	5700	—	0.18†	26A7-GT
				Class AB_1 Amplifier	50■	2.0■	0.5■	26.5	−7v	26.5	2.0	19	—	—	—	0.54△	
26.5	0.07	2 1/8	3/4	Triode Unit as Class A_1 Amplifier	250	2.5	—	26.5 250	Grid Res., 2 megohms −9v	— —		1.1 9.5	15500 8500	1100 1900	17 16	— —	26C6
26.5	0.07	2 1/8	3/4	Converter	300	1.0	1.0	26.5 250	−.5v −1.5v	26.5 100	1.6 7.8	0.45 3.0	— 1000000	Conversion } 270 μmhos Transcond. } 475 μmhos			26D6
26.5	0.6	4 1/16	1 23/32	DC Amplifier■	Maximum Ratings, Absolute Values: Plate Volts, 250 Plate Dissipation, 13 Watts Plate Ma., 125 Peak Heater-Cathode Volts, ±300 Grid-Circuit Resistance for Cathode-Bias Operation, 1 megohm												6082

† Load for stated power, 1500 ohms. ■ Each unit. △ Load for stated power, (plate-to-plate), 2500 ohms.
▲ Load for stated power, 5000 ohms. ● Load for stated power, 7500 ohms.

26A7-GT

26C6

26D6

6082