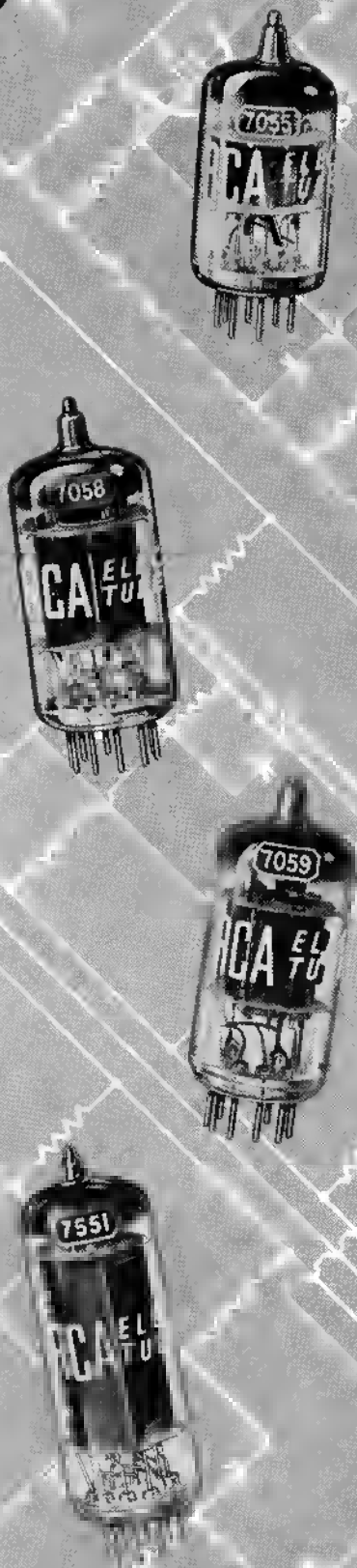


TUBES FOR MOBILE COMMUNICATIONS EQUIPMENT



Type	Description	Special Tests and Controls					
		Low Frequency Vibration	Intermittent Shorts	Heater-Cathode Leakage	Inter-electrode Leakage	Heater-Cycling	Life Test
TYPES OPERATING FROM 6-CELL STORAGE-BATTERY SYSTEMS							
7054	Power Pentode. 9-pin miniature heater-cathode type. For use as a class C rf power amplifier, oscillator or frequency multiplier at frequencies up to 40 Mc. Receiving-tube prototype 12BY7-A.	✓	✓	✓	✓	✓	✓
7055	Twin Diode. 7-pin miniature heater-cathode type. For use as a detector or full-wave rectifier in power supplies having low dc requirements. Receiving-tube prototype 6AL5.	—	✓	✓	✓	✓	✓
7056	Sharp-Cutoff Pentode. 7-pin miniature heater-cathode type. For use as an if or rf amplifier at frequencies up to about 45 Mc. Receiving-tube prototype 6CB6.	✓	✓	✓	✓	✓	✓
7057	Medium-Mu Twin Triode. 9-pin miniature heater-cathode type. For use as an rf amplifier in cascode-type circuits at frequencies up to 200 Mc. Receiving-tube prototype 6BZ7.	✓	✓	✓	✓	✓	✓
7058	High-Mu Twin Triode. 9-pin miniature heater-cathode type. For use in phase-inverter, resistance-coupled amplifier and low-frequency oscillator circuits. Receiving-tube prototype 12AX7.	✓	✓	✓	✓	✓	✓
7059	Medium-Mu Triode, Sharp-Cutoff Pentode. 9-pin miniature heater-cathode type. For use as a combined oscillator and mixer-tube in receivers with if frequencies up to 40 Mc. Receiving-tube prototype 6U8-A.	✓	✓	✓	✓	✓	✓
7060	Medium-Mu Triode, Power Pentode. 9-pin miniature heater-cathode type. For use in rf power-amplifier and frequency multiplier applications at frequencies up to 40 Mc. Receiving-tube prototype 6AU8.	✓	✓	✓	✓	✓	✓
7061	Beam Power Tube. 9-pin miniature heater-cathode type. For use as an af power amplifier. Receiving-tube prototype 12AB5.	✓	✓	✓	✓	✓	✓
7551	Beam Power Tube. 9-pin miniature heater-cathode type. For use as a class C rf amplifier, oscillator, or frequency multiplier at frequencies up to 175 Mc.	✓	—	—	—	✓	—

For key to terminal connections see page 30.



TUBES FOR MOBILE COMMUNICATIONS EQUIPMENT

Cathode		Maximum Dimensions Inches		Class of Service	Maximum Ratings			Operating Conditions and Characteristics										 Type
					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	Trans-conduc-tance Micro-mhos	Amplifi-cation Factor	Power Output Watts		
Volts	Amp.	Length	Diam.															
TYPES OPERATING FROM 6-CELL STORAGE-BATTERY SYSTEMS																		
12.0 to 15.0	0.275 at 13.5V	2 5/8	0.875	Class A ₁ Amplifier		330	5.0	1.0	250	120	150	3.5	19	100000	11500	—	7054	
				RF Power Amplifier Class C Telegraphy		330	5.0	1.0	300	-12v	175	5.5	26	Power Output, 4 Watts at 40 Mc.				
				Frequency Doubler		330	5.0	1.0	300	-25v	175	4.0	20	Power Output, 2.5 Watts at 40 Mc.				
12.0 to 15.0	0.155 at 13.5V	1 3/4	0.75	Half-Wave Rectifier Each Unit		Maximum Ratings, Absolute Values: Peak Inverse Plate Volts, 350 Peak Plate Ma., 60 DC Output Ma., 10 Peak Heater-Cathode Volts, 120												7055
12.0 to 15.0	0.15 at 13.5V	2 1/8	0.75	Class A ₁ Amplifier		330	2.0	0.5 †	200	180	150	2.8	9.5	600000	6200	—	7056	
12.0 to 15.0	0.18 at 13.5V	2 5/16	0.875	Class A ₁ Amplifier Each Unit		275	2.2	—	150	220	—	—	10	5300	6800	36	7057	
12.0 to 15.0	0.155 at 13.5V	2 5/16	0.875	Class A ₁ Amplifier Each Unit		330	1.0	—	250	-2v	—	—	1.25	61000	1650	100	7058	
12.0 to 15.0	0.195 at 13.5V	2 5/16	0.875	Class A ₁ Amplifier	Triode Unit	300	2.5	—	150	56	—		18	4700	8500	40	7059	
					Pentode Unit	300	2.8	0.5 ♦	250	68	110	3.5	10	400000	5200	—		—
12.0 to 15.0	0.28 at 13.5V	2 5/16	0.875	Class A ₁ Amplifier	Triode Unit	300	2.5	—	150	150	—		9.0	8200	4900	40	7059	
					Pentode Unit	300	3.0	0.5 ♦	200	82	125	3.4	10	150000	7000	—		—
12.0 to 15.0	0.21 at 13.5V	2 5/8	0.875	Class A ₁ Amplifier		345	9.0	2.0	200	-10v	200	9.0	35.5	60000	4200	—	3.0* 7061	
12.0 to 15.0	0.36 at 13.5V	2 5/8	0.875	Class A ₁ Amplifier		—	—	—	250	-18v	250	3.0	40	—	5300	—	7551	
				RF Power Amplifier Class C Telegraphy at 175 Mc.		300	10	2	300	-42v	200	3.7	70	—	—	—		8.5
				Frequency Doubler at 175 Mc.		300	10	2	250	-53v	200	2.6	50	—	—	—		4.5

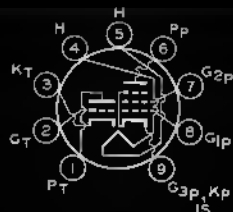
† For Grid-No. 2 Volts up to 155. For Grid-No. 2 Volts between 165 and 330, see JEDEC Input Rating Chart J5-C4-2.

♦ For Grid-No. 2 Volts up to 150. For Grid-No. 2 Volts between 150 and 300, see JEDEC Input Rating Chart J5-C4-2.

* Load for stated power, 5000 ohms.



7059



7060



7061



7551