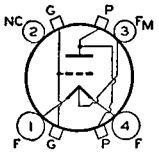
PLATE INPUT	33 *max*	50 *max*	watts
PLATE DISSIPATION	27 *max*	40 *max*	watts

▲ Carrier conditions per tube for use with a maximum modulation factor of 1.0.
Key-down conditions per tube without amplitude modulation. Amplitude modulation essentially negative may be used if the positive peak of the audio-frequency envelope does not exceed 115 per cent of the carrier conditions.



G CAPS NEARER BASE
P CAPS NEARER BULB TIP

POWER TRIODE

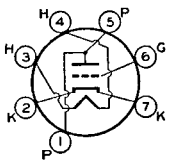
8025-A

Thoriated-tungsten-filament type having filament mid-tap used as rf power amplifier and oscillator. May be used with full input up to 500 Mc. For operation at 600 Mc, plate voltage should be reduced to 70 per cent of maximum ratings. Class C Telegraphy maximum plate dissipation, CCS 40 watts with forced-air cooling, ICAS 30 watts with natural cooling. Requires Small four-contact socket and may be mounted in vertical position only, base down or up. OUTLINE 27, *Outlines* Section. When forced-air cooling is required, an air flow from a fan should be directed on the bulb. Plate shows an orange-red color when tube is operated at maximum CCS ratings and a bright orange-red color at maximum ICAS ratings.

FILAMENT VOLTAGE (AC/DC)	6.3	volts
FILAMENT CURRENT	1.92	amperes
AMPLIFICATION FACTOR	18	
DIRECT INTERELECTRODE CAPACITANCES:		
Grid to plate	3.0	μμf
Grid to filament mid-tap	2.7	μμf
Plate to filament mid-tap	0.4	μμf

	Class C Telephony▲		Class C Telegraphy#		
Maximum Ratings:	*Forced-Air Cooling CCS*	*Natural Cooling ICAS*	*Forced-Air Cooling CCS*	*Natural Cooling ICAS*	
DC PLATE VOLTAGE	800 *max*	800 *max*	1000 *max*	1000 *max*	volts
DC GRID VOLTAGE	−200 *max*	−200 *max*	−200 *max*	−200 *max*	volts
DC PLATE CURRENT	65 *max*	65 *max*	80 *max*	80 *max*	ma
DC GRID CURRENT	20 *max*	20 *max*	20 *max*	20 *max*	ma
PLATE INPUT	50 *max*	33 *max*	75 *max*	50 *max*	watts
PLATE DISSIPATION	27 *max*	20 *max*	40 *max*	30 *max*	watts

▲ Carrier conditions per tube for use with a maximum modulation factor of 1.0.
Key-down conditions per tube without amplitude modulation. Amplitude modulation essentially negative may be used if the positive peak of the audio-frequency envelope does not exceed 115 per cent of the carrier conditions.



MEDIUM-MU TRIODE

9002

Seven-pin miniature heater-cathode type used as af amplifier and as rf amplifier and oscillator at frequencies up to 500 Mc. Class A_1 Amplifier maximum CCS plate dissipation (design-center value), 1.6 watts. Direct interelectrode capacitances: grid to plate, 1.4 μμf; grid to cathode and heater, 1.2 μμf; plate to cathode and heater, 1.1 μμf. Requires Miniature seven-contact socket and may be mounted in any position. OUTLINE 5, *Outlines* Section. Except for interelectrode capacitances, the 9002 is electrically identical with type 955.