

RCA Transmitting Tubes

DC GRID-NO.1 CURRENT.....	25 <i>max</i>	30 <i>max</i>	ma
PLATE INPUT.....	250 <i>max</i>	335 <i>max</i>	watts
GRID-NO.2 INPUT.....	18.5 <i>max</i>	13.5 <i>max</i>	watts
PLATE DISSIPATION.....	67 <i>max</i>	83 <i>max</i>	watts
PEAK HEATER-CATHODE VOLTAGE:			
Heater negative with respect to cathode.....	135 <i>max</i>	135 <i>max</i>	volts
Heater positive with respect to cathode.....	135 <i>max</i>	135 <i>max</i>	volts

Maximum Circuit Values:

Grid-No.1-Circuit Resistance ^o	30000 <i>max</i>	30000 <i>max</i>	ohms
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RF POWER AMPLIFIER AND OSCILLATOR—Class C Telegraphy and RF POWER AMPLIFIER—Class C FM Telephony

Maximum Ratings:	<i>CCS</i>	<i>ICAS</i>	
DC PLATE VOLTAGE.....	1250 <i>max</i>	1500 <i>max</i>	volts
DC GRID-NO.2 VOLTAGE.....	400 <i>max</i>	400 <i>max</i>	volts
DC GRID-NO.1 VOLTAGE.....	-300 <i>max</i>	-300 <i>max</i>	volts
DC PLATE CURRENT.....	340 <i>max</i>	340 <i>max</i>	ma
DC GRID-NO.1 CURRENT.....	25 <i>max</i>	30 <i>max</i>	ma
PLATE INPUT.....	375 <i>max</i>	500 <i>max</i>	watts
GRID-NO.2 INPUT.....	20 <i>max</i>	20 <i>max</i>	watts
PLATE DISSIPATION.....	100 <i>max</i>	125 <i>max</i>	watts
PEAK HEATER-CATHODE VOLTAGE:			
Heater negative with respect to cathode.....	135 <i>max</i>	135 <i>max</i>	volts
Heater positive with respect to cathode.....	135 <i>max</i>	135 <i>max</i>	volts

Maximum Circuit Values:

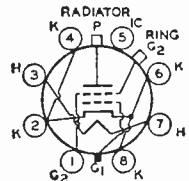
Grid-No.1-Circuit Resistance ^o	30000 <i>max</i>	30000 <i>max</i>	ohms
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‡ Averaged over any audio-frequency cycle of sine-wave form.

^o When grid No.1 is driven positive, the total dc grid-No.1-circuit resistance should not exceed the specified maximum value of 30,000 ohms. If this value is insufficient to provide adequate bias, the additional required bias must be supplied by a cathode resistor or fixed supply.

BEAM POWER TUBE

Ceramic-metal, forced-air-cooled, heater-cathode types used as af power amplifiers and modulators and as rf power amplifiers and oscillators. May be used with full input up to 500 Mc. Class C Telegraphy maximum plate dissipation, CCS 250 watts.



7203/
4CX250B
7204/
4CX250F

	<i>7203/ 4CX250B</i>	<i>7204/ 4CX250F</i>	
HEATER VOLTAGE‡ (AC/DC).....	6	26.5	volts
HEATER CURRENT.....	2.6	0.58	amperes
MINIMUM HEATING TIME.....	—	30	seconds
MU-FACTOR, GRID NO.2 TO GRID NO.1★.....	—	5	
DIRECT INTERELECTRODE CAPACITANCES:^o			
Grid No.1 to plate.....		0.03	μf
Grid No.1 to cathode, grid No.2, and heater.....		16	μf
Plate to cathode, grid No.2, and heater.....		4.4	μf
PLATE TEMPERATURE (Measured on base end of plate surface at junction with fins).....			
		250 <i>max</i>	°C
TEMPERATURE OF PLATE SEAL, GRID-NO.2 SEAL, AND BASE SEALS.....			
		250 <i>max</i>	°C

★ For grid-No.2 volts, 300; grid-No.2 ma., 50.

AF POWER AMPLIFIER AND MODULATOR—Class AB₁

Maximum CCS Ratings:

DC PLATE VOLTAGE.....	2000 <i>max</i>	volts
DC GRID-NO.2 VOLTAGE.....	400 <i>max</i>	volts
MAXIMUM-SIGNAL DC PLATE CURRENT ^o	250 <i>max</i>	ma
PLATE DISSIPATION ^o	250 <i>max</i>	watts
GRID-NO.2 INPUT ^o	12 <i>max</i>	watts
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode.....	150 <i>max</i>	volts
Heater positive with respect to cathode.....	150 <i>max</i>	volts