

September 5, 1947

TYPE 4C36

original sponsor: Lewis Electronics
final sponsor: RMA

GENERAL CHARACTERISTICS

ELECTRICAL

Filament Thoriated Tungsten
Voltage 5.0 volts
Current 7.5 amps
Amplification Factor 29

Direct Interelectrode Capacitances

Grid-Plate 3.0 mmf
Input, grid-filament 3.2 mmf
Output, plate-filament 0.4 mmf

Frequency for Maximum Ratings 60 Mcs

MECHANICAL

Type of Cooling
Convection (Maximum Ambient 60° C)

Base. Jumbo 4-pin metal sleeve
bayonet base

Maximum Overall Dimensions (See Outline Drawing)
Length 7.5 in
Diameter (bulb) 2.75 in

Base Connections
#1 mc
#2 f
#3 mc
#4 f



MAXIMUM RATINGS AND TYPICAL OPERATING CONDITIONS

(TENTATIVE)

CLASS "B" AUDIO-FREQUENCY POWER AMPLIFIER, TWO TUBES

CLASS "C" RADIO-FREQUENCY POWER AMPLIFIER & OSCILLATOR

(Key down conditions per tube without modulation. Modulation, essentially negative, may be used if positive peak of A-F envelope does not exceed 115% of carrier conditions)

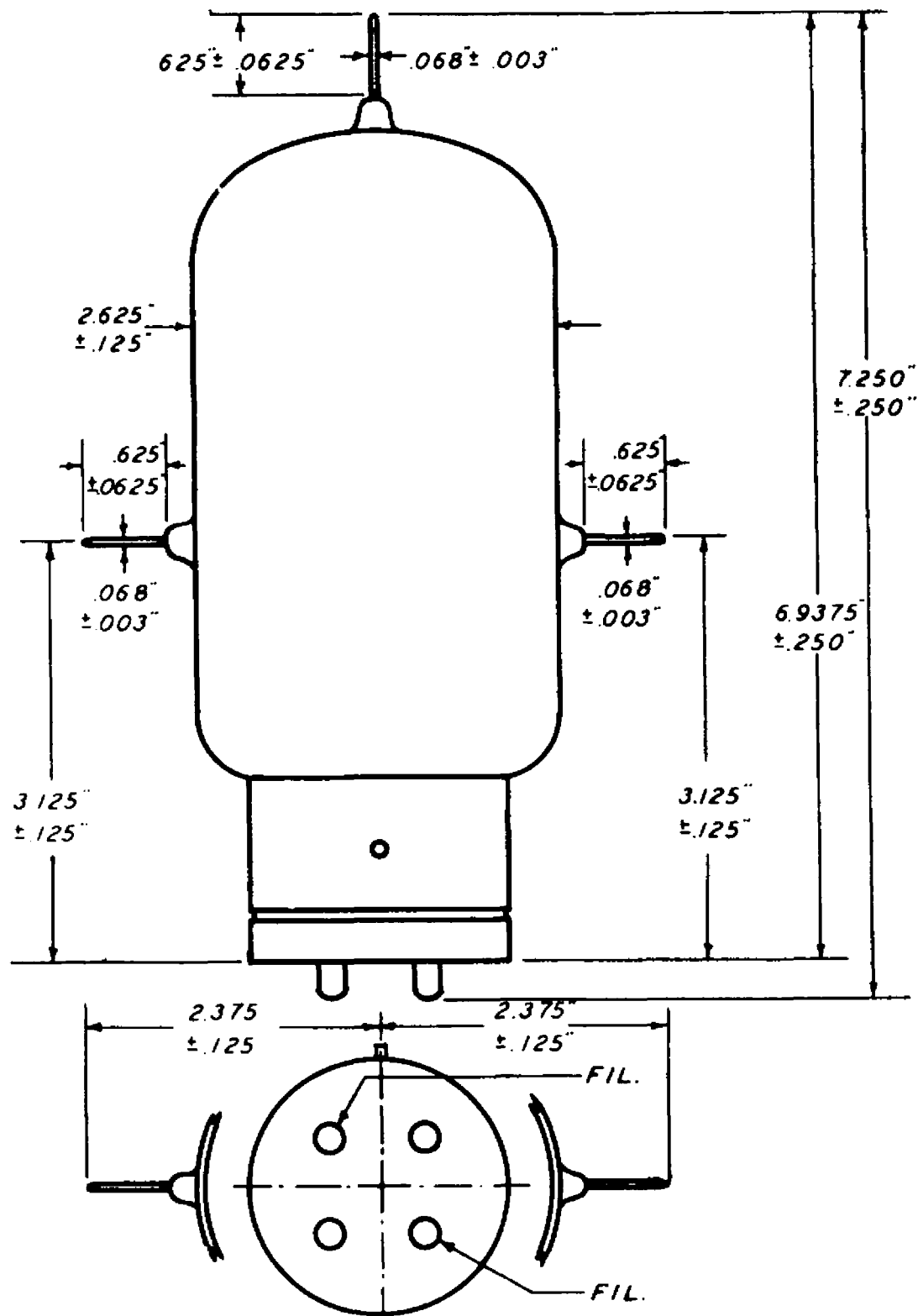
	Typical Operation	Max. Ratings
D-C Plate Voltage	3000	3000 volts
Max. Sig. Plate Current (per tube)*		250 ma
D-C Max. Sig. Plate Input (per tube)*		350 watts
Plate Dissipation (per tube)*		125 watts
D-C Grid Voltage	-120	volts
Peak A-F Grid Input Voltage	480	volts
Zero Sig. Plate Current	40	ma
Max. Sig. Plate Current	240	ma
Max. Sig. Driving Power (approx.)	5	watts
Effective Load (plate to plate)	32000	ohms
Max. Sig. Plate Power Output	500	watts

	Typical Operation	Max. Ratings
D-C Plate Voltage	3000	4000 volts
D-C Grid Voltage	-250	-600 volts
D-C Plate Current	200	250 ma
D-C Grid Current	40	60 ma
Plate Input		700 watts
Plate Dissipation		125 watts
Peak R-F Grid Input Voltage (approx.)	475	volts
Driving Power (approx.)	18	watts
Plate Power Output	480	watts

*(Averaged over any audio-frequency cycle)

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BOTTOM VIEW A4-29
JUMBO 4 PIN BASE