



RADIO MANUFACTURERS ASSOCIATION
ENGINEERING DEPARTMENT

Release No. 468

February 1, 1946

sponsor:
General Electric Co.

RMA TYPE

2C46

The 2C46 is a three-electrode tube of the disk-seal type designed for use in a specific cavity for stable local-oscillator service between 1000 and 1200 megacycles.

GENERAL CHARACTERISTICS

Number of Electrodes 3

Electrical

Cathode - Indirectly Heated

Heater Voltage

6.3 Volts

Heater Current

0.75 Amperes

Average Characteristics

Amplification Factor

60

Grid-Plate Transconductance, $I_b = 14$ ma

3500 Micromhos

Direct Interelectrode Capacitances

Grid-Plate

1.7 Micromicrofarads

Grid-Cathode

2.2 Micromicrofarads

Plate-Cathode, maximum

0.025 Micromicrofarads

Cathode R-F Connection - Cathode

175 Micromicrofarads

Mechanical

Type of Cooling - Convection and Conduction

Maximum Seal Temperature

200 C

Base Description

6-pin Octal

Mounting Position

Any

Net Weight, approximate

3 Ounces

Shipping Weight, approximate

3 Pounds

MAXIMUM RATINGS AND TYPICAL OPERATING CONDITIONS

CW Oscillator

	<u>Typical Operation</u>	<u>Maximum Ratings</u>
D-c Plate Voltage	150	500 Volts
Grid Leak Resistance	0	Ohms
D-c Plate Current	8	40 Milliamperes
Plate Input	1.2	Watts
Plate Dissipation	1.18	12 Watts
Grid Current	3	Milliamperes
Power Output, approximate	20	Milliwatts
Frequency	1100	1300 Megacycles

December 24, 1945.

2C46

