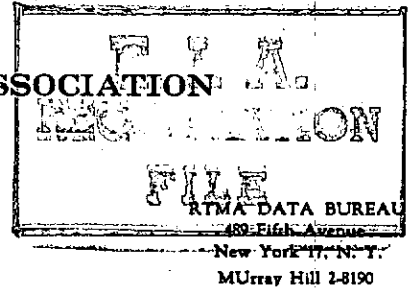


RADIO - TELEVISION MANUFACTURERS ASSOCIATION
ENGINEERING DEPARTMENT



Release No. 937

January 4, 1951

To
Tube Engineers:

Registration has been made by the RTMA
Data Bureau of the vacuum tube type designation

6043 (Registration No. 1970)

as defined by the characteristics and ratings given in
the attached data on application of

Raytheon Manufacturing Company
55 Chapel Street
Waltham 54, Mass.

Respectfully yours,

RTMA DATA BUREAU

By

Ralph R. Batcher

RRBatcher/cap
Enc.

TYPE OK-159

RAYTHEON

~~TYPE OK-159~~Velocity Modulation Reflex Oscillator Type OK-159General Characteristics

Microwave oscillator employing self-contained tunable cavity. Oxide coated, unipotential cathode.

Heater Voltage	6.3	Volts AC-DC
Heater Current65	Amperes

Maximum Ratings

Heater Voltage	6.3	± 10% Volts
Grid #1	300	Volts DC
Grid #2 and #3	300	Volts DC
Cathode Current	45	Ma DC
Reflector Voltage	0 to	-300 Volts DC
Frequency Range	400	Mc.

Typical Operation

Grid #1	300	Volts DC
Grid #2 and #3	300	Volts DC
Reflector Voltage	-100 to	-175 Volts DC
Cathode Current	20	Ma DC
Frequency Range	2950 -	3275 Mc.
Power Output	150	Mw.
Electrical Tuning Range between 1/2 power points	20	Mc.
Maximum Frequency change in any 20°C range	3.0	Mc.

Mechanical

Base: Standard Intermediate Octal

Pin No:	1	2	3	6	7	Top Pin
	Shell, G ₂ &3	Heater	Cathode	G ₁	Heater	Reflector

Maximum Overall Dimensions

Height	Max. 4.5"
Diameter - (a)	Max. with tuning screws turned out 3-3/16"
- (b)	Max. tube dimension with no tuning screws 1-15/16"
Mounting	Any position
Cooling	Freely circulating air

RAYTHEON MANUFACTURING COMPANY

POWER TUBE DIVISION

August 17, 1949

OUTLINE DRAWING

