

RADIO MANUFACTURERS ASSOCIATION ENGINEERING DEPARTMENT

TYPE 5649

REFLEX KLYSTRON

RMA DATA BUREAU
90 West Street
New York 6, N. Y.



GENERAL CHARACTERISTICS

Reflex Oscillator
Internal Cavity

ELECTRICAL CHARACTERISTICS

Heater Voltage	6.3 volts
Heater Current	450 milliamperes
Maximum Frequency	1460 MC
Minimum Frequency	1310 MC

MAXIMUM RATINGS (Absolute Values)

C. W. OPERATION

Resonator Voltage	250 volts
Resonator Current	50 milliamperes
Reflector Voltage	-350 volts
Heater-Cathode Voltage (Peak)	(+45 volts -45 volts)
Shell Temperature	130 centigrade

MECHANICAL INFORMATION

Type of Cathode	Coated Unipotential
Base and Physical Specifications	- See Outline Drawing BL-276069
Base Connection	" " " BL-276069
Mounting Data	May be mounted in any position

TYPICAL OPERATION (C.W.)

Frequency	1380 MC
Resonator Voltage	225 volts
Resonator Current	40 milliamperes
Reflector Voltage	-135 volts
Reflector Current	Less than 7 microamperes
Mode Number	150 volts
Electronic Tuning;	
Frequency Variation (E_r range -115 to -155)	6.5 MC
Modulation Sensitivity	0.16 MC/volt
Average Power Output	170 milliwatts

