

RMA Release # 249

July 1, 1940
RECEIVING TUBE TYPE 12B6 (GM)

Reservation No: 343 Date: 2/19/40 Registration No: 249 Date: July 1, 1940.

Sponsor: ROGERS RADIO TUBES LIMITED

Type Classification: Diode High Mu Triode

Physical Specifications:

Type of Cathode: Unipotential

Pin Connections:

Pin 1 Metal Spray Shield	Pin 5 Diode plate	Basing Designation: 6Y
2 Heater	6 No connection	
3 Plate (triode)	7 Heater	
4 No connection	8 Cathode	
	Cap Control grid (triode)	

Type of Base:	Small Octal Shell
Type of Cap:	Miniature Metal
Type of Bulb:	T9 - Metal Spray
Maximum Diameter	1-3/16"
Maximum Overall Length	4-1/4"
Maximum Seated Height (Including top cap)	3-11/16"

Mounting Position for Operation: Any

Direct Interelectrode Capacitances, Triode Unit (approx.):

Grid-Plate	1.7 μ pf
Input	2.5 μ pf
Output	7.0 μ pf

VOLTAGE AMPLIFIER

Class A

Ratings:

Heater Voltage (ac or dc)	12.6	volts
Heater Current	0.150	amps
Maximum Plate Voltage	250	volts
Minimum Grid Bias Voltage	-1	volts

Typical Operation and Characteristics:

Plate Voltage	250	volts
Grid Voltage	-2	volts
Amplification Factor	100	
Plate Resistance	91000	ohms
Transconductance	1100	μ mhos
Plate Current	0.9	ma.