

Reservation No. _____

Registration No. _____

Reservation Date _____

Registration Date _____

Type 6L21

Pulse Modulator Tetrode

GENERAL CHARACTERISTICS

Electrical

Filament	Thoriated tungsten
Voltage	7.5 volts
Current	20.0 amp.

Direct Interelectrode Capacitances

Grid-plate	(max.)	7.5 uuf
Input-grid-filament	(max.)	35.0 uuf
Output-plate-filament	(max.)	17.0 uuf

Mechanical

Type of Cooling:	Convection (Maximum Ambient 60°C)
Mounting	Vertical
Base Description	Giant 5-pin bayonet
Base Connections	See outline drawing

Maximum Overall Dimensions	(See outline drawing)
Length	12.50 inches
Diameter	5.187 inches

Typical Operation

D.C. plate supply	35.0 Kv
Output voltage	32.0 Kv
D.C. grid bias	-1000 volts
Peak positive grid drive	1500 volts
Equivalent load resistor	1660 ohms
Peak plate current	15.0 amp.
Pulse duration	1 usec (max.)
Repetition rate	1000 CPS
Average Ig2 range	4.0 to 9.0 ma
Average Ig1 range	3.0 to 6.0 ma

Type 6F21

Pulse Modulator Tetrode

Maximum Ratings

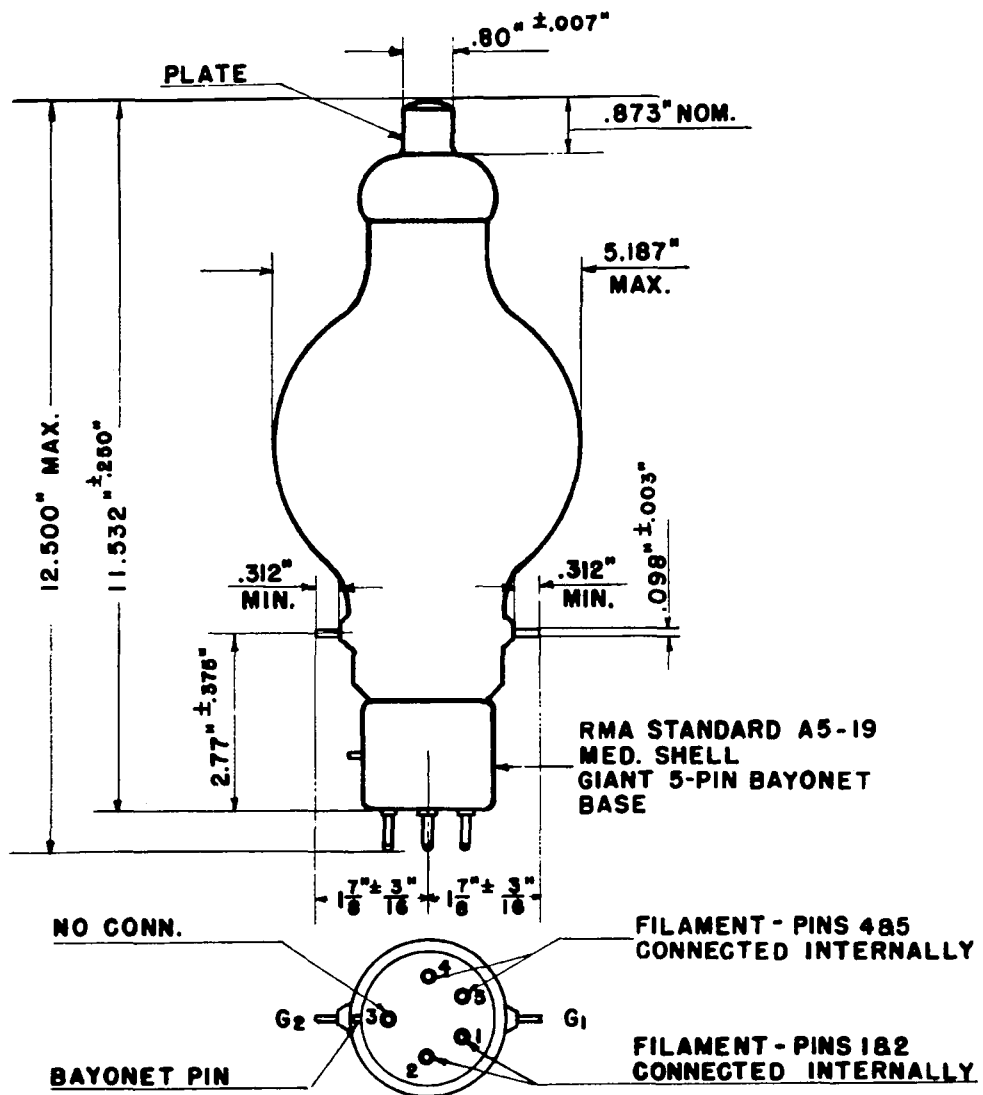
Plate voltage	37.5 Kv
Screen voltage	2.5 Kv
Peak plate current (duty cycle .001 or less)	15.0 amp
Peak positive control grid voltage	1750 volts
Negative control grid voltage	-1250 volts

Sponsor: Raytheon Manufacturing Company, Waltham, Mass.

March 20, 1946

TYPE 6D21

TECHNICAL INFORMATION PULSE MODULATOR TETRODE OUTLINE DRAWING



BOTTOM VIEW OF BASE