

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 I_{g2} range | 4.0 to 9.0 ma |
| Average I_{g1} range | 3.0 to 6.0 ma |

Type 6F21

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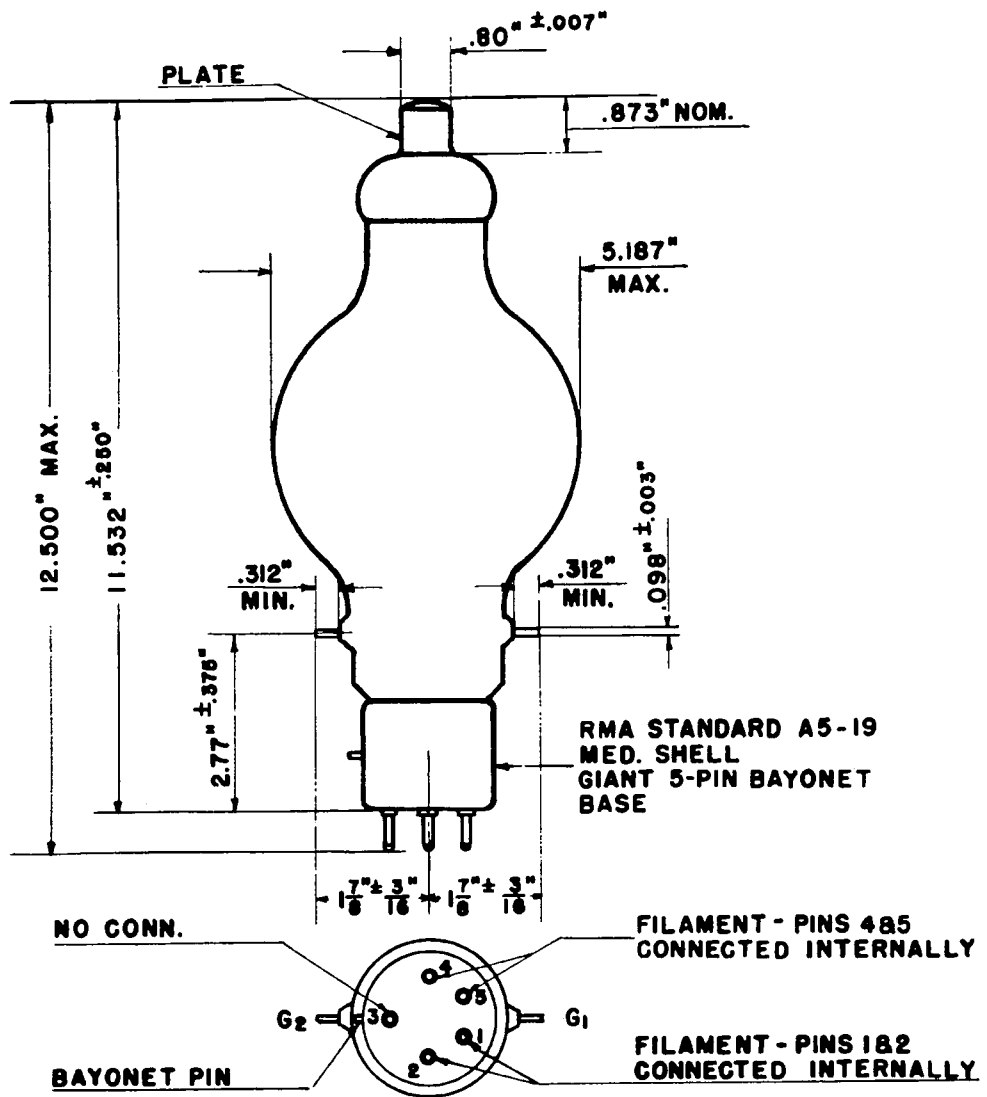
Maximum Ratings

| | |
|---|-------------|
| 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.

TYPE 6D21

TECHNICAL INFORMATION PULSE MODULATOR TETRODE OUTLINE DRAWING



BOTTOM VIEW OF BASE