

Broadband high-average-power pulse-amplifier klystron designed for high-power pulsed microwave service.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | — / —             | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                                                                                          |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| SECTION1                                                                                                                                                 | Klystron |
| MAXIMUM CATHODE CURRENT                                                                                                                                  | 66 A     |
| Klystron electron-beam device. Fixed TUBE_SECTION schema has no beam-voltage or collector-dissipation fields; those ratings are preserved as parameters. |          |

The EIMAC X841D is a broadband high-average-power pulse-amplifier klystron.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1962 Eimac

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1962 EIMAC

## Section 1 · Klystron

| OTHER                         |                 |                  |
|-------------------------------|-----------------|------------------|
| PARAMETER                     | PUBLISHED VALUE | CONDITION / NOTE |
| Maximum DC beam voltage       | 115000 V        | —                |
| Maximum/peak beam current     | 66 A            | —                |
| Maximum collector dissipation | 450000 W        | —                |
| Rated/minimum output power    | 2500000 W       | —                |
| Power gain                    | 33 dB           | —                |

| CHARACTERISTIC          |                 |                  |
|-------------------------|-----------------|------------------|
| PARAMETER               | PUBLISHED VALUE | CONDITION / NOTE |
| Frequency range minimum | 0.4 GHz         | —                |
| Frequency range maximum | 0.45 GHz        | —                |

## TUBE TINKER

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