



## ELECTRONIC TUBE REFERENCE

# X1092

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

**1 SECTION**  
CONSTRUCTION  
**MAGNETRON**

Rugged ceramic-metal L-band voltage-tunable magnetron covering approximately 800-1450 MHz for broadband swept-frequency service.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 6.3 V / 800 mA    | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                            |        |
|----------------------------|--------|
| <b>SECTION 1</b> Magnetron |        |
| MAXIMUM PLATE VOLTAGE      | 2500 V |
| MAXIMUM CATHODE CURRENT    | 25 mA  |

The Eimac X-1092 is a ruggedized ceramic-metal L-band packaged voltage-tunable magnetron for 800-1450 MHz service.

## 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 · Magnetron

| CHARACTERISTIC  |                 |                  |
|-----------------|-----------------|------------------|
| PARAMETER       | PUBLISHED VALUE | CONDITION / NOTE |
| Frequency Range | 800–1450 MHz    | —                |
| Warm-up Time    | 60 s            | —                |

| OTHER                           |                 |                  |
|---------------------------------|-----------------|------------------|
| PARAMETER                       | PUBLISHED VALUE | CONDITION / NOTE |
| Maximum Injection Anode Voltage | 500 V           | —                |
| Maximum Injection Anode Current | 1 mA            | —                |
| Typical Output Power            | 0.9-3 W         | —                |