

ELECTRONIC TUBE REFERENCE

# X1130

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION  
CONSTRUCTION  
KLYSTRON

Preset Ku-band reflex klystron covering approximately 15–18 GHz.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 6.3 V / 1.23 A    | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

SECTION1 Klystron

No fixed ratings recorded.

Microwave-device ratings have no dedicated promoted voltage/dissipation columns in this schema; applicable maximum cathode current is promoted and specialized published ratings are preserved in TUBE\_SECTION\_PARAMETER.

Preset Ku-band reflex klystron covering 15–18 GHz; published sheet provides typical performance.

## 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

| CHARACTERISTIC          |                 |                  |
|-------------------------|-----------------|------------------|
| PARAMETER               | PUBLISHED VALUE | CONDITION / NOTE |
| Frequency Range         | 15–18           | —                |
| 3 dB Bandwidth          | 35 MHz          | —                |
| Modulation Sensitivity  | 0.7 MHz/V       | —                |
| Temperature Coefficient | 150 kHz/C       | —                |

| OTHER                     |                 |                  |
|---------------------------|-----------------|------------------|
| PARAMETER                 | PUBLISHED VALUE | CONDITION / NOTE |
| Typical Resonator Voltage | 300 V           | —                |
| Typical Output Power      | 250 mW          | —                |
| Typical Cathode Current   | 52 mA           | —                |
| Typical Repeller Voltage  | -300 V          | —                |
| Load VSWR Maximum         | 1.2 ratio       | —                |

## TUBE TINKER

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and their source documents.

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