

ELECTRONIC TUBE REFERENCE

VA6315

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION  
CONSTRUCTION  
KLYSTRON

Varian manufacturer designation for a reflex klystron oscillator, explicitly printed as an alias or co-designation on the corresponding JEDEC-family datasheet.

GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 6.3 V / 1.2 A     | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

SECTION RATINGS

|                            |          |
|----------------------------|----------|
| SECTION1                   | Klystron |
| No fixed ratings recorded. |          |

Varian VA-6315 designation for the rugged reflex klystron.

## SOURCE OPERATING CONDITIONS

# 1953 Varian Assoc

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

1953 VARIAN ASSOC

## Section 1 · Klystron

| CHARACTERISTIC          |                 |                  |
|-------------------------|-----------------|------------------|
| PARAMETER               | PUBLISHED VALUE | CONDITION / NOTE |
| Frequency range minimum | 8.5 GHz         | —                |
| Frequency range maximum | 10 GHz          | —                |

| OTHER                              |                 |                  |
|------------------------------------|-----------------|------------------|
| PARAMETER                          | PUBLISHED VALUE | CONDITION / NOTE |
| Maximum resonator/beam voltage     | 385 V           | —                |
| Maximum resonator/beam current     | 74 mA           | —                |
| Maximum negative reflector voltage | -1000 V         | —                |

| CONSTRUCTION          |                 |                  |
|-----------------------|-----------------|------------------|
| PARAMETER             | PUBLISHED VALUE | CONDITION / NOTE |
| Microwave device type | Reflex klystron | —                |
| Cooling method        | Forced air      | —                |

| APPLICATION |                        |                  |
|-------------|------------------------|------------------|
| PARAMETER   | PUBLISHED VALUE        | CONDITION / NOTE |
| Service     | Radar/local oscillator | —                |

## TUBE TINKER

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