

ELECTRONIC TUBE REFERENCE

7714

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA  
1 SECTION  
CONSTRUCTION  
TRIGGERPULSESWITCH

Cold-cathode gas-filled trigger tube for pulse and control circuits, explicitly co-designated with its corresponding Z-series type in Amperex documentation.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 TriggerPulseSwitch

No fixed ratings recorded.

Cold-cathode gas-filled trigger tube for pulse/control circuits; source explicitly co-designates the numeric and Z-series type.

7714 is a Other device in the supplied Amperex literature. Cold-cathode gas-filled trigger tube for pulse/control circuits; source explicitly co-designates the numeric and Z-series type.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1963 Amperex Condensed

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

## 1963 AMPEREX CONDENSED

## Section 1 · TriggerPulseSwitch

| OTHER                  |                 |                  |
|------------------------|-----------------|------------------|
| PARAMETER              | PUBLISHED VALUE | CONDITION / NOTE |
| Anode voltage range    | 250–450 V       | DC               |
| Peak cathode current   | 150 mA          | —                |
| Cathode current range  | 5–25 mA         | DC               |
| Anode voltage range AC | 180–275 V       | AC               |

| CHARACTERISTIC                          |                 |                  |
|-----------------------------------------|-----------------|------------------|
| PARAMETER                               | PUBLISHED VALUE | CONDITION / NOTE |
| Starter-to-cathode breakdown voltage    | 137–155 V       | —                |
| Anode-to-cathode sustaining voltage     | 118–128 V       | —                |
| Anode-to-cathode breakdown voltage      | >500 V          | —                |
| Starter-to-cathode breakdown voltage AC | 98–110 V        | AC               |

## TUBE TINKER

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and their source documents.

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