

ELECTRONIC TUBE REFERENCE

Z805U

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIGGERPULSESWITCH

Cold-cathode trigger and pulse switching tube. Gas-discharge operation provides abrupt heaterless switching for pulse and control circuits.

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.
Gas-filled cold-cathode relay tube with positive starter voltage for AC or DC service.

Z805U 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

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

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Philips Electron Tubes Handbook V2

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

1963 PHILIPS ELECTRON TUBES HANDBOOK V2

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC mains voltage range	180–275 V RMS	AC
AC frequency range	10–100 Hz	AC
Cathode current range AC	5–25 mA	AC
DC anode supply voltage range	250–450 V	DC
Cathode current range DC	5–25 mA	DC
Peak cathode current	—150 mA	AC one cycle

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Starter breakdown voltage DC	137–155 V	V _{ba} =250-450V
Starter breakdown voltage AC	98–110 V RMS	V _{ba} =200-250V RMS
Maximum transfer current at 250 V	—100 uA	—
Starter maintaining voltage at 100 uA	110 V	—
Anode maintaining voltage at 20 mA	118–128 V	—
Anode-cathode breakdown voltage	475— V	—
Negative anode-cathode breakdown voltage	475— V	Minimum

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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