



ELECTRONIC TUBE REFERENCE

413B

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RELAYCONTROL SWITCH

Western Electric cold-cathode gas-discharge device for specialized switching and control. Gas ionization provides abrupt heaterless conduction useful for triggering and relay functions.

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

SECTION 1 RelayControlSwitch	
MAXIMUM CATHODE CURRENT	200 mA
<i>Promoted fields mapped from printed maximum-rating and characteristic headings; additional published values preserved in parameter rows.</i>	

Two-electrode inert-gas-filled cold-cathode tube for message-register, switching, pulse-counting, and control circuits.



SOURCE PDF

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

Section 1 · RelayControlSwitch

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Forward or Inverse Average Cathode Current	20 milliamperes	Forward or Inverse Average Cathode Current 20 200 milliamperes
Averaging Time - - - T T T	2 seconds	Averaging Time - - - T T T 2 seconds
Ambient Temperature L	-55 centigrade	Ambient Temperature L1m1ts S L B T T B A B -55 to +85 centigrade
Anode Voliage Drop, Forward or Inverse + «+ +« . .« .« bb	62 volts	Anode Voliage Drop, Forward or Inverse + «+ +« . .« .« bb 62 75 volts
Deionization Time, Approximate. ~	2 milliseconds	Deionization Time, Approximate. ~ 2 - milliseconds