

ELECTRONIC TUBE REFERENCE

G10241E

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

COUNTERSELECTORSWITCH

Unidirectional cold-cathode gas-filled decade counter and distributor. Sequential discharge transfer performs electronic counting and routes outputs among ten positions.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B12E	BASE PINS	12
NOMINAL HEATER	– / –	PARALLEL HEATER	– / –
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 CounterSelectorSwitch	
MAXIMUM PLATE VOLTAGE	315 V
MAXIMUM CATHODE CURRENT	37 mA
Published ratings and characteristics promoted semantically from the approved source; identical repeated sections compressed where applicable.	

G10241E is a unidirectional cold-cathode gas-filled decade counter/distributor, classified as Nixie for this batch. The supplied datasheet describes its cold-cathode discharge operation and published electrical ratings/operating conditions.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Brimar Radio Valve No 7

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

1958 BRIMAR RADIO VALVE NO 7

Section 1 · CounterSelectorSwitch

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-Cathode Breakdown Voltage	280 V	—
Anode-Cathode Maintaining Voltage	180 V	Approximate
Cathode Current	3.7 mA	Nominal

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Pulse Repetition Frequency Maximum	5 kHz	—
Transfer Pulse Amplitude	120 V	Nominal
Transfer Pulse Width	16 us	Nominal



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

196X Nixie Random Datasheets

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

196X NIXIE RANDOM DATASHEETS

Section 1 · CounterSelectorSwitch

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Anode/Cathode Current	3.7 mA	Published datasheet value

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum/Typical Supply Voltage	315 V	Published datasheet value
Maximum Counting Rate	20 kHz	Published datasheet value
Typical Cathode Load	15 k0hm	Published datasheet value
Typical Transfer Pulse Width	16 us	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Running/Maintaining Voltage	180 V	Published datasheet value
Anode-Cathode Breakdown Voltage	1280 V	Published datasheet value
Transfer Electrode Breakdown Voltage	280 V	Published datasheet value

TUBE TINKER

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