

IV 21 Datasheet

Device Specification

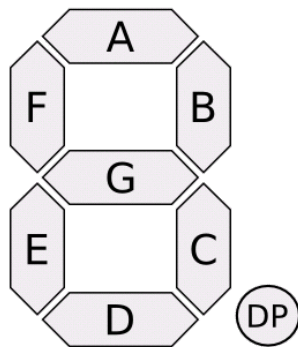
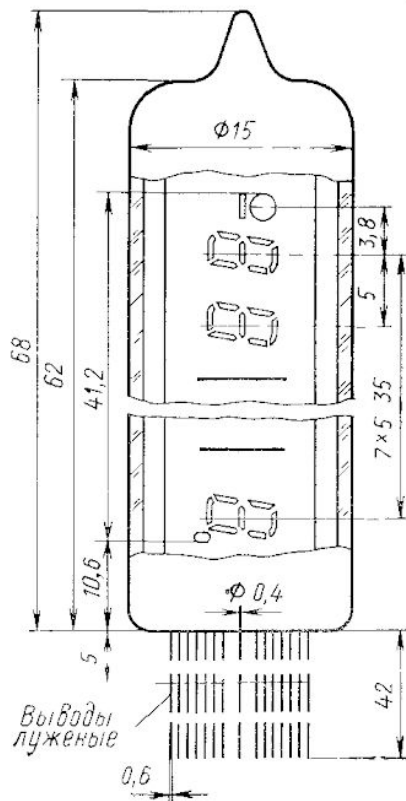
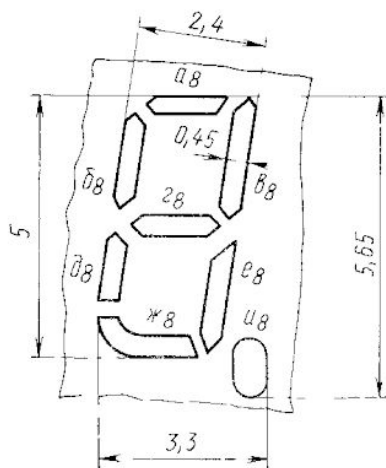
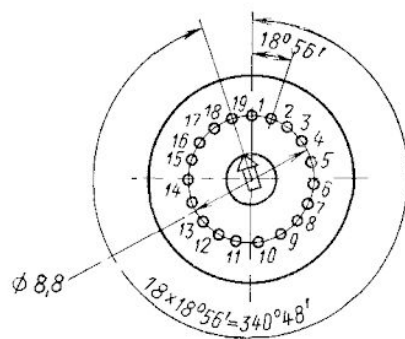
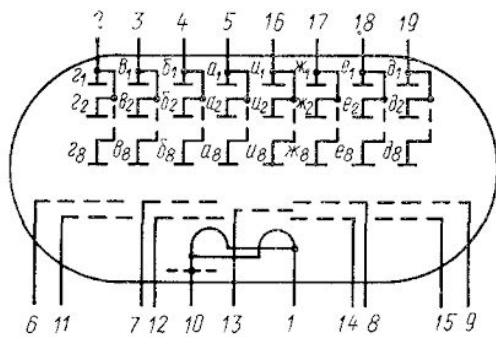
Parameter	Value	Unit
Colour	Green	
Brightness	175-300	cd/m ²
Filament Voltage	2.4	V
Filament Current	35 ± 5	mA
Anode Voltage	27	V
Anode Current	12 ± 8	mA
Grid Voltage	27	V
Minimum Operating Life	5000	Hours

Operating Conditions

Parameter	Value	Unit
Vibration		
Frequency	1-60	Hz
Acceleration	≤ 19.6	m/s ²
Impact		
Acceleration	≤147	m/s ²
Duration	15	ms
Ambient Temperature	-45 - +70	°C
Relative Humidity	≤ 98	%

Absolute Maximum Ratings

Parameter	Value	Unit
Filament Voltage	2.0 - 2.65	V
Anode Voltage	50	V
Grid Voltage	50	V



Device Pinout

Pin	Description
1	Filament
2	Segment G Anode / - Symbol Anode
3	Segment B Anode
4	Segment F Anode / Dot Symbol Anode
5	Segment A Anode
6	Digit 8 Grid
7	Digit 6 Grid
8	Digit 4 Grid
9	Digit 2 Grid
10	Filament
11	Symbols Grid
12	Digit 1 Grid
13	Digit 3 Grid
14	Digit 5 Grid
15	Digit 7 Grid
16	Segment DP Anode
17	Segment D Anode
18	Segment C Anode
19	Segment E Anode (Short lead)

