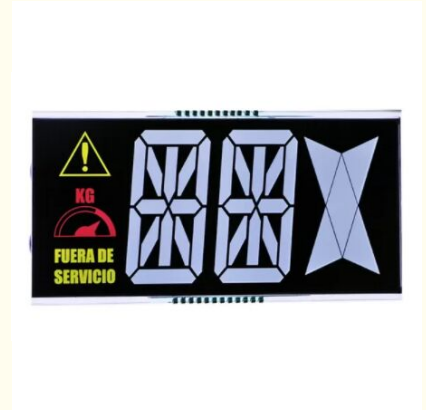


## VA LCD Display with 7 Segment Decimal Structure 400 cd/m<sup>2</sup> Brightness and 5.0 V Driving Condition

### Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO90001 RoHS
- Minimum Order Quantity: 1000
- Price: 0.7-7USD
- Packaging Details: CARTON
- Delivery Time: 3-47WEEKS
- Payment Terms: T/T
- Supply Ability: 100000/MONTH



### Product Specification

- Panel Type: LCD
- Brightness: 400 Cd/m<sup>2</sup>
- Technology: LCD
- Size: Customized
- Backlight Technology: LED
- Backlight Type: LED
- Operating Temperature: -20°C To 70°C
- Light Source: White LED\*6
- Highlight: 7 Segment Decimal Structure LCD Display ,  
400 cd/m<sup>2</sup> Brightness VA LCD Display,  
5.0 V Driving Condition LCD Display



**VA DFSTN LCD 7 Segment Decimal Display - Negative High Contrast LCD Mode**

A high-performance LCD display featuring VA and DFSTN technologies for superior contrast and viewing angles in various applications.

**Product Specifications**

Type	VA LCD Display
Polarizer Mode	Transmissive
Display Mode	Positive
Viewing Angle	12 O'clock
Connector	Pin / Zebra
Driving Condition	5.0 V

**Additional Details**

Application	Meter display
Backlight	White
Voltage	5.V
Controller	HT1620
OEM/ODM	Accepted
Warranty	12 months free, paid warranty lifetime
Packaging	One module in a bag, bags in small carton foam protecting, small carton in big carton
Certification	ISO, RoHS



## Technology Integration and Display Principles

**VA Technology:** Liquid crystal molecules arranged perpendicularly without voltage, achieving pure black background with maximum contrast ratio of 120:1.

**DFSTN Technology:** Dual FSTN film compensation structure enables high-definition black/white display with temperature resistance.

**7-segment Decimal Structure:** Composed of 7 "8"-shaped segments to display numbers 0-9 and symbols.

**Negative High Contrast Mode:** Opaque black background when off, transparent bright characters when on, with superior readability in dim light.

## Performance Parameter Advantages

**Viewing Angle:** 170° horizontal and 110° vertical, far exceeding TN screens.

**Power Consumption:** Low power consumption ideal for battery-powered devices.

**Temperature Stability:** DFSTN structure maintains display quality under high temperatures.

**Contrast:** Clear character/background boundaries with prominent visual effect in dim light.

## Applications

### Consumer Electronics

Digital display panels for household appliances (electronic watches, calculators, clocks)

Portable devices (thermometers, electronic scales) benefiting from low power consumption

### Industrial & Instrumentation

Industrial control panels (frequency converters, distribution cabinets)

Precision instruments (laboratory equipment, medical testing devices)

### Special Applications

Aerospace and vehicle instrument panels

Smart home meters (water, electricity, gas) with outdoor/indoor readability



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