# LED Display

**Product Catalogue**

## About OasisTek

- **Introduction**
- **Milestones & Product Line**
- **Part Number Formation**

## Digit Display

**Single Digit Display**

<table>
<thead>
<tr>
<th>Model</th>
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## Light Bar

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Taiwan Oasis Technology Co., Ltd.

Introduction

Taiwan Oasis Technology Co., Ltd., was established by Mr. Ming-Shun Lee in 1974 with an ideal to provide the marketplace simplicity, integrity reliability, progress, precision, and innovation.

The company started its life initially as a dedicated downstream LED technology manufacturing service focused on items such as plastic molding, injection, and packing.

As OasisTek expanded its business vertically and upgraded its competencies, it soon began to move into producing a complete range of products, such as High Power LEDs, LAMP LEDs, SMD LEDs, LED Displays and Lighting. Additionally, OasisTek also offers customization manufacturing services to help customers' meet their sales targets.

In LED recent years, OasisTek has proudly introduced its LED Video Display and Lumichain™ series to the marketplace. OasisTek has been applauded globally and is reputed as a pioneer in Taiwan for being the 1st Taiwanese LED manufacturer to consistently supply the Japanese market.

Today, OasisTek's complete product line-up is now well represented worldwide and is globally known for their quality and cutting-edge technology. Delivering a full range of services and meeting customers' needs is its mission and OasisTek is sincerely inviting you to be a partner and step forward together.

Milestones

- 2013: The winner of Transformation and Upgrading of the processing Trade Industry Award held in Dongguan China, power was confirmed.
- 2012: Increased the new production line, the production capacity increased by more than 40K/KM.
- Established an independent R & D department, the main R&D directions of illumination and backlight.
- Set up offices in Shenzhen and Qingdao and build up a unique channel marketing model.
- 2010: Launched “Star Vessel” which is functional and designing outdoor street light.
- 2009: Adopted a new brand identity “OasisTek” and a renewed spirit.
- 2007: Began offering full product range from LEDs components to LED Video Displays.
- 2003: Inaugurated Fully automated line for LED Display production.
- 2001: Renamed to Taiwan Oasis Technology Co., Ltd. QS 9000 Certified.
- 1996: Xwi: Shan, Taiwan factory completed. Completed LED products launched.
- 1989: Chang-Hsi, Taiwan factory completed. Manufacturing of LED Indicators and LED Displays.
- 1984: Nan-Kan, Taiwan No.2 completed. PCB Manufacturing.
- 1980: Nan-Kan, Taiwan Factory No.1 completed. Manufacturing of Plastic Molds, Plastic Injection and Reflectors for LED.
- 1974: Taiwan Oasis Enterprise Co., Ltd founded.

Product Line

1. **LED Component Group**
   - LED Lamps
   - SMD LED
   - High Power LED
   - Holder Lamp
   - LED Display
     - Seven Segment
     - Alphanumeric
     - Light Bar
     - Dot Matrix

2. **Lighting Module Group**
   - Lamp / Display Module
   - Backlight Module
   - Traffic Signal Module
   - Street Lamp Module

3. **System Group**
   - Lumichain™
   - LED Cluster

4. **Extended Customization Group**
   - Mold
   - Plastic
     - Reflector
     - Light-guide Plate
     - Backlight Board
     - LED Holder
     - LED Cover Part
     - PCB
**TOS-3191**

**0.39” Single Digit Display**

**Features**
- 0.39 inch digit height
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Part Number**
- TOS-3191AM/8MG/BMG
  - AllGaN: Ultra-Green 572
  - AllGaN: Ultra-Red 630

**Features**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product

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**TOS-3192**

**0.39” Single Digit Display**

**Alphanumeric**

**Features**
- 0.39 inch digit height
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Part Number**
- TOS-3192AM/8MG/BMG
  - AllGaN: Ultra-Green 572
  - AllGaN: Ultra-Red 630

**Applications**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product

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**TOS-4102**

**0.40” Single Digit Display**

**Features**
- 0.40 inch digit height
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Part Number**
- TOS-4102AM/8MG/BMG
  - AllCabo: Ultra-Green 572
  - AllCabo: Ultra-Red 630

**Applications**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product

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**TOS-5101**

**0.50” Single Digit Display**

**Features**
- 0.50 inch digit height
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Part Number**
- TOS-5101AM/8MG/BMG
  - AllCabo: Ultra-Green 572
  - AllCabo: Ultra-Red 630

**Applications**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product
**TOS-5105**

*0.50" Single Digit Display Alphanumeric*

**Features**
- 0.50" inch digit height
- Various colors
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaging electronics application
- Home appliance display application
- Customization product

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<tr>
<th>Part Number</th>
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**TOS-5121**

*0.52" Single Digit Display*

**Features**
- 0.52" inch digit height
- Various colors
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaging electronics application
- Home appliance display application
- Customization product

<table>
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<tr>
<th>Part Number</th>
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**TOS-5106**

*0.50" Single Digit Display Alphanumeric*

**Features**
- 0.50" inch digit height
- Various colors
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaging electronics application
- Home appliance display application
- Customization product

<table>
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<tr>
<th>Part Number</th>
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**TOS-5161**

*0.56" Single Digit Display*

**Features**
- 0.56" inch digit height
- Various colors
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaging electronics application
- Home appliance display application
- Customization product

<table>
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<th>Part Number</th>
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<th>Emitting Color</th>
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**TOS-1102**

1.0” Single Digit Display

**Features:**
- 1.0 inch digit height
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application:**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product

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**TOS-1106**

1.0” Single Digit Display

**Features:**
- 1.0 inch digit height
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application:**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product

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<td>TOS-1106AMG/BMG</td>
<td>AlGaNp</td>
<td>Ultra-Green</td>
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<tr>
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**TOS-1103**

1.0” Single Digit Display

**Features:**
- 1.0 inch digit height
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application:**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product

**TOS-12101**

1.2” Single Digit Display

**Features:**
- 1.2 inch digit height
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application:**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product

---

13
### TOS-20101
#### 2.0” Single Digit Display

#### Features
- 2.0” Inch digit height
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

#### Application
- Medical and Industrial Equipment
- Cashier Machine and Billboard
- Consumer and Gaming Electronics application
- Home appliance
- Customization product

#### Part Numbers

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Material</th>
<th>Emitting Color</th>
<th>J(S), mm</th>
<th>Face Color</th>
<th>V(V) at L=20mA</th>
<th>I(led) at L=10mA</th>
<th>Drive Mode</th>
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### TOS-23101
#### 2.3” Single Digit Display

#### Features
- 2.3” Inch digit height
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

#### Application
- Medical and Industrial Equipment
- Cashier Machine and Billboard
- Consumer and Gaming Electronics application
- Home appliance
- Customization product

#### Part Numbers

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Material</th>
<th>Emitting Color</th>
<th>J(S), mm</th>
<th>Face Color</th>
<th>V(V) at L=20mA</th>
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<th>Drive Mode</th>
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### TOS-20102
#### 2.0” Single Digit Display

#### Features
- 2.0” Inch digit height
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

#### Application
- Medical and Industrial equipment
- Cashier machine and billboard
- Consumer and Gaming electronics application
- Home appliance display application
- Customization product

#### Part Numbers

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<th>Part Number</th>
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<th>J(S), mm</th>
<th>Face Color</th>
<th>V(V) at L=20mA</th>
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### TOS-23102
#### 2.3” Single Digit Display

#### Features
- 2.3” Inch digit height
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

#### Application
- Medical and Industrial Equipment
- Cashier Machine and Billboard
- Consumer and Gaming Electronics application
- Home appliance
- Customization product

#### Part Numbers

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<th>Part Number</th>
<th>Material</th>
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<th>J(S), mm</th>
<th>Face Color</th>
<th>V(V) at L=20mA</th>
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**TOS-40101**

*4.0“ Single Digit Display*

**Features**
- 4.0“ high digit height
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product

**Chip Information**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Material</th>
<th>Emitting Color</th>
<th>L_LED (mA)</th>
<th>V_LED (V) at L=20mA</th>
<th>Drive Mode</th>
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</tbody>
</table>

**TOS-2141**

*0.24“ Single Digit Display*

**Features**
- 0.24“ high digit height
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product

**Chip Information**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Material</th>
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<th>V_LED (V) at L=20mA</th>
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<tr>
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<td>Ultra-Red</td>
<td>630</td>
<td>2.0, 2.3</td>
<td>7988, 15324</td>
</tr>
</tbody>
</table>

**TOS-70101**

*7.0“ Single Digit Display*

**Features**
- 7.0“ high digit height
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product

**Chip Information**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Material</th>
<th>Emitting Color</th>
<th>L_LED (mA)</th>
<th>V_LED (V) at L=20mA</th>
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<td>Ultra-Red</td>
<td>630</td>
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<td>7988, 15324</td>
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</table>
**TOD-2281**

**0.28" Dual Digit Display**

**Features**
- 0.28" inch digit height
- Various color
- K compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product

**TOD-3261**

**0.36" Dual Digit Display**

**Features**
- 0.36" inch digit height
- Various color
- K compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product

**TOD-3203**

**0.30" Dual Digit Display**

**Features**
- 0.30" inch digit height
- Various color
- K compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product

**TOD-3291**

**0.39" Dual Digit Display**

**Features**
- 0.39" inch digit height
- Various color
- K compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product
TOD-5221
0.52" Dual Digit Display

Features
- 0.52" digit height
- Various color
- K compatible
- Excellent color uniformity
- Low current operation available
- Low design flexibility

Application
- Medical and Industrial equipment
- Cashier machine and billboards
- Consumer and gaming electronics
- Home appliance display application
- Customization product

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Chip</th>
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<th>V(I) at I=20mA</th>
<th>I(Hn) at I=10mA</th>
<th>Drive Mode</th>
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<td>VTY, MAX</td>
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<td>Ultra-Red</td>
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TOD-5261
0.56" Dual Digit Display

Features
- 0.56" digit height
- Various color
- K compatible
- Excellent color uniformity
- Low current operation available
- Low design flexibility

Application
- Medical and Industrial equipment
- Cashier machine and billboards
- Consumer and gaming electronics
- Home appliance display application
- Customization product

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Chip</th>
<th>Face Color</th>
<th>V(I) at I=20mA</th>
<th>I(Hn) at I=10mA</th>
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TOD-5241
0.54" Dual Digit Display

Alphanumeric

Features
- 0.54" digit height
- Various color
- K compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

Application
- Medical and Industrial equipment
- Cashier machine and billboards
- Consumer and gaming electronics
- Home appliance display application
- Customization product

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Chip</th>
<th>Face Color</th>
<th>V(I) at I=20mA</th>
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TOD-5263
0.56" Dual Digit Display

Features
- 0.56" digit height
- Various color
- K compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

Application
- Medical and Industrial equipment
- Cashier machine and billboards
- Consumer and gaming electronics
- Home appliance display application
- Customization product

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Chip</th>
<th>Face Color</th>
<th>V(I) at I=20mA</th>
<th>I(Hn) at I=10mA</th>
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</table>
**TOD-6201**

0.60" Dual Digit Display

**Features**
- 0.60 inch digit height
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product

**Part Number**
- TOD-6201AMY8/BMC
- TOD-6201AMY8/BMC
- TOD-6201AMY8/BMC
- TOD-6201AMY8/BMC

**Chip**
- Digit Color
- Ultra-Red
- Ultra-Orange
- Ultra-Yellow

**Face Color**
- Ultra Green

**V(I) at L=20mA**
- MAX
- MIN
- TYP

**I(V) at L=10mA**
- MAX
- MIN
- TYP

**Drive Mode**
- C, C, I, A


**TOD-10201**

1.00" Dual Digit Display

**Features**
- 1.00 inch digit height
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product

**Part Number**
- TOD-10201AMY8/BMC
- TOD-10201AMY8/BMC
- TOD-10201AMY8/BMC
- TOD-10201AMY8/BMC

**Chip**
- Digit Color
- Ultra-Red
- Ultra-Orange
- Ultra-Yellow

**Face Color**
- Ultra Green

**V(I) at L=20mA**
- MAX
- MIN
- TYP

**I(V) at L=10mA**
- MAX
- MIN
- TYP

**Drive Mode**
- C, C, I, A


**TOD-8201**

0.80" Dual Digit Display

**Features**
- 0.80 inch digit height
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product

**Part Number**
- TOD-8201AMY8/BMC
- TOD-8201AMY8/BMC
- TOD-8201AMY8/BMC
- TOD-8201AMY8/BMC

**Chip**
- Digit Color
- Ultra-Red
- Ultra-Orange
- Ultra-Yellow

**Face Color**
- Ultra Green

**V(I) at L=20mA**
- MAX
- MIN
- TYP

**I(V) at L=10mA**
- MAX
- MIN
- TYP

**Drive Mode**
- C, C, I, A


**TOD-18201**

1.80" Dual Digit Display

**Features**
- 1.80 inch digit height
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product

**Part Number**
- TOD-18201AMY8/BMC
- TOD-18201AMY8/BMC
- TOD-18201AMY8/BMC
- TOD-18201AMY8/BMC

**Chip**
- Digit Color
- Ultra-Red
- Ultra-Orange
- Ultra-Yellow

**Face Color**
- Ultra Green

**V(I) at L=20mA**
- MAX
- MIN
- TYP

**I(V) at L=10mA**
- MAX
- MIN
- TYP

**Drive Mode**
- C, C, I, A
### TOD-23201

**2.30” Dual Digit Display**

- **Features**
  - 2.3 inch digit height
  - Various color
  - IC compatible
  - Excellent color uniformity
  - Low current operation available
  - Design flexibility

- **Application**
  - Medical and industrial equipments
  - Calculator machine and billboard
  - Consumer and ganging electronics application
  - Home appliance display application
  - Customization product

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Chip</th>
<th>Face Color</th>
<th>V(I) at L=20mA</th>
<th>I(pec) at L=10mA</th>
<th>Drive Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOD-2321AMY/BHM</td>
<td>AlGaAsP Ultra-White</td>
<td>572</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
</tr>
<tr>
<td>TOD-2321BY/BHM</td>
<td>AlGaAsP Ultra-Yellow</td>
<td>590</td>
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<td>2.3</td>
<td>7988</td>
</tr>
<tr>
<td>TOD-2321BMY/BHM</td>
<td>AlGaAsP Ultra-Green</td>
<td>623</td>
<td>2.0</td>
<td>2.3</td>
<td>10384</td>
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<tr>
<td>TOD-2321BY/BMR</td>
<td>AlGaAsP Ultra-Red</td>
<td>630</td>
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<td>7988</td>
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</table>

### TOT-2381

**0.28” Triple Digit Display**

- **Features**
  - 0.28 inch digit height
  - Various color
  - IC compatible
  - Excellent color uniformity
  - Low current operation available
  - Design flexibility

- **Application**
  - Medical and industrial equipments
  - Calculator machine and billboard
  - Consumer and ganging electronics application
  - Home appliance display application
  - Customization product

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Chip</th>
<th>Face Color</th>
<th>V(I) at L=20mA</th>
<th>I(pec) at L=10mA</th>
<th>Drive Mode</th>
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</thead>
<tbody>
<tr>
<td>TOT-2381AMY/BHM</td>
<td>AlGaAsP Ultra-White</td>
<td>572</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
</tr>
<tr>
<td>TOT-2381BY/BHM</td>
<td>AlGaAsP Ultra-Yellow</td>
<td>590</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
</tr>
<tr>
<td>TOT-2381BMY/BHM</td>
<td>AlGaAsP Ultra-Green</td>
<td>623</td>
<td>2.0</td>
<td>2.3</td>
<td>10384</td>
</tr>
<tr>
<td>TOT-2381GY/BMR</td>
<td>AlGaAsP Ultra-Red</td>
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<td>7988</td>
</tr>
</tbody>
</table>

### TOD-40201

**4.00” Dual Digit Display**

- **Features**
  - 4.00 inch digit height
  - Various color
  - IC compatible
  - Excellent color uniformity
  - Low current operation available
  - Design flexibility

- **Application**
  - Medical and industrial equipments
  - Calculator machine and billboard
  - Consumer and ganging electronics application
  - Home appliance display application
  - Customization product

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Chip</th>
<th>Face Color</th>
<th>V(I) at L=20mA</th>
<th>I(pec) at L=10mA</th>
<th>Drive Mode</th>
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</thead>
<tbody>
<tr>
<td>TOD-4021AMY/BHM</td>
<td>AlGaAsP Ultra-White</td>
<td>572</td>
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<td>2.3</td>
<td>7988</td>
</tr>
<tr>
<td>TOD-4021BY/BHM</td>
<td>AlGaAsP Ultra-Yellow</td>
<td>590</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
</tr>
<tr>
<td>TOD-4021BMY/BHM</td>
<td>AlGaAsP Ultra-Green</td>
<td>623</td>
<td>2.0</td>
<td>2.3</td>
<td>10384</td>
</tr>
<tr>
<td>TOD-4021BY/BMR</td>
<td>AlGaAsP Ultra-Red</td>
<td>630</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
</tr>
</tbody>
</table>

### TOT-3301

**0.30” Triple Digit Display**

- **Features**
  - 0.30 inch digit height
  - Various color
  - IC compatible
  - Excellent color uniformity
  - Low current operation available
  - Design flexibility

- **Application**
  - Medical and industrial equipments
  - Calculator machine and billboard
  - Consumer and ganging electronics application
  - Home appliance display application
  - Customization product

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Chip</th>
<th>Face Color</th>
<th>V(I) at L=20mA</th>
<th>I(pec) at L=10mA</th>
<th>Drive Mode</th>
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<tbody>
<tr>
<td>TOT-3301AMY/BHM</td>
<td>AlGaAsP Ultra-White</td>
<td>572</td>
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<td>2.3</td>
<td>7988</td>
</tr>
<tr>
<td>TOT-3301BY/BHM</td>
<td>AlGaAsP Ultra-Yellow</td>
<td>590</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
</tr>
<tr>
<td>TOT-3301BMY/BHM</td>
<td>AlGaAsP Ultra-Green</td>
<td>623</td>
<td>2.0</td>
<td>2.3</td>
<td>10384</td>
</tr>
<tr>
<td>TOT-3301GY/BMR</td>
<td>AlGaAsP Ultra-Red</td>
<td>630</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
</tr>
</tbody>
</table>
## TOT-3361

**0.36” Triple Digit Display**

**Features**
- 0.36 inch digit height
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customisation product

**Part Number**

<table>
<thead>
<tr>
<th>Material</th>
<th>Color</th>
<th>Luminance</th>
<th>Drive Mode</th>
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<tbody>
<tr>
<td>TOT-33611AMG/BME</td>
<td>Ultra-Green</td>
<td>572</td>
<td>C/C/C/A</td>
</tr>
<tr>
<td>TOT-33611AMY/BMY</td>
<td>Ultra-Yellow</td>
<td>590</td>
<td>C/C/C/A</td>
</tr>
<tr>
<td>TOT-33611AMH/BMK</td>
<td>Ultra-Orange</td>
<td>623</td>
<td>C/C/C/A</td>
</tr>
<tr>
<td>TOT-33611ARN/BME</td>
<td>Ultra-Red</td>
<td>630</td>
<td>C/C/C/A</td>
</tr>
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</table>

**V(I,V) at L-20mA**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>V(I,V)</th>
<th>TYP</th>
<th>MAX</th>
<th>MIN</th>
<th>TYP</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOT-33611AMG/BME</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
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</tr>
<tr>
<td>TOT-33611AMY/BMY</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
<td>15524</td>
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</tr>
<tr>
<td>TOT-33611AMH/BMK</td>
<td>2.0</td>
<td>2.3</td>
<td>10384</td>
<td>21937</td>
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</tr>
<tr>
<td>TOT-33611ARN/BME</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
<td>15524</td>
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</tr>
</tbody>
</table>

## TOT-5321

**0.52” Triple Digit Display**

**Features**
- 0.52 inch digit height
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customisation product

**Part Number**

<table>
<thead>
<tr>
<th>Material</th>
<th>Color</th>
<th>Luminance</th>
<th>Drive Mode</th>
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</thead>
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<tr>
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<td>572</td>
<td>C/C/C/A</td>
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<tr>
<td>TOT-53211AMY/BMY</td>
<td>Ultra-Yellow</td>
<td>590</td>
<td>C/C/C/A</td>
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<tr>
<td>TOT-53211AMH/BMK</td>
<td>Ultra-Orange</td>
<td>623</td>
<td>C/C/C/A</td>
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<tr>
<td>TOT-53211ARN/BME</td>
<td>Ultra-Red</td>
<td>630</td>
<td>C/C/C/A</td>
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**V(I,V) at L-20mA**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>V(I,V)</th>
<th>TYP</th>
<th>MAX</th>
<th>MIN</th>
<th>TYP</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOT-53211AMG/BME</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
<td>15524</td>
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</tr>
<tr>
<td>TOT-53211AMY/BMY</td>
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<td>2.3</td>
<td>7988</td>
<td>15524</td>
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</tr>
<tr>
<td>TOT-53211AMH/BMK</td>
<td>2.0</td>
<td>2.3</td>
<td>10384</td>
<td>21937</td>
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<tr>
<td>TOT-53211ARN/BME</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
<td>15524</td>
<td></td>
</tr>
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</table>

## TOT-4301

**0.40” Triple Digit Display**

**Features**
- 0.40 inch digit height
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customisation product

**Part Number**

<table>
<thead>
<tr>
<th>Material</th>
<th>Color</th>
<th>Luminance</th>
<th>Drive Mode</th>
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<tr>
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<td>Ultra-Green</td>
<td>572</td>
<td>C/C/C/A</td>
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<tr>
<td>TOT-43011AMY/BMY</td>
<td>Ultra-Yellow</td>
<td>590</td>
<td>C/C/C/A</td>
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<tr>
<td>TOT-43011AMH/BMK</td>
<td>Ultra-Orange</td>
<td>623</td>
<td>C/C/C/A</td>
</tr>
<tr>
<td>TOT-43011ARN/BME</td>
<td>Ultra-Red</td>
<td>630</td>
<td>C/C/C/A</td>
</tr>
</tbody>
</table>

**V(I,V) at L-20mA**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>V(I,V)</th>
<th>TYP</th>
<th>MAX</th>
<th>MIN</th>
<th>TYP</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOT-43011AMG/BME</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
<td>15524</td>
<td></td>
</tr>
<tr>
<td>TOT-43011AMY/BMY</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
<td>15524</td>
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</tr>
<tr>
<td>TOT-43011AMH/BMK</td>
<td>2.0</td>
<td>2.3</td>
<td>10384</td>
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<tr>
<td>TOT-43011ARN/BME</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
<td>15524</td>
<td></td>
</tr>
</tbody>
</table>

## TOT-5341

**0.54” Triple Digit Display**

**Alphanumeric**

**Features**
- 0.54 inch digit height
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customisation product

**Part Number**

<table>
<thead>
<tr>
<th>Material</th>
<th>Color</th>
<th>Luminance</th>
<th>Drive Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOT-53411AMG/BME</td>
<td>Ultra-Green</td>
<td>572</td>
<td>C/C/C/A</td>
</tr>
<tr>
<td>TOT-53411AMY/BMY</td>
<td>Ultra-Yellow</td>
<td>590</td>
<td>C/C/C/A</td>
</tr>
<tr>
<td>TOT-53411AMH/BMK</td>
<td>Ultra-Orange</td>
<td>623</td>
<td>C/C/C/A</td>
</tr>
<tr>
<td>TOT-53411ARN/BME</td>
<td>Ultra-Red</td>
<td>630</td>
<td>C/C/C/A</td>
</tr>
</tbody>
</table>

**V(I,V) at L-20mA**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>V(I,V)</th>
<th>TYP</th>
<th>MAX</th>
<th>MIN</th>
<th>TYP</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOT-53411AMG/BME</td>
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<td>15524</td>
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</tr>
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<td>2.3</td>
<td>7988</td>
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</tr>
<tr>
<td>TOT-53411AMH/BMK</td>
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</tr>
<tr>
<td>TOT-53411ARN/BME</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
<td>15524</td>
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### TOT-5361
#### 0.56" Triple Digit Display

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<th>Part Number</th>
<th>Chip</th>
<th>Face Color</th>
<th>(V_{(IL)}) at (L=20)mA</th>
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<th>Drive Mode</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Ultra-Green</td>
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<td>7988</td>
</tr>
<tr>
<td>TOT-5361A/1M/BMY</td>
<td>AlGa/Fe</td>
<td>Ultra-Yellow</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
</tr>
<tr>
<td>TOT-5361A/1M/BME</td>
<td>AlGa/Fe</td>
<td>Ultra-Red</td>
<td>2.0</td>
<td>2.3</td>
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</tr>
</tbody>
</table>

**Features**
- 0.56 inch digit height
- Various color
- K compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product

---

### TOT-8302
#### 0.80" Triple Digit Display

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Chip</th>
<th>Face Color</th>
<th>(V_{(IL)}) at (L=20)mA</th>
<th>(L_{(IL)}) at (L=10)mA</th>
<th>Drive Mode</th>
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<tbody>
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<td>Ultra-Green</td>
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<td>7988</td>
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<tr>
<td>TOT-8302A/1M/BMY</td>
<td>AlGa/Fe</td>
<td>Ultra-Yellow</td>
<td>2.0</td>
<td>2.3</td>
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<tr>
<td>TOT-8302A/1M/BME</td>
<td>AlGa/Fe</td>
<td>Ultra-Red</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
</tr>
</tbody>
</table>

**Features**
- 0.80 inch digit height
- Various color
- K compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product

---

### TOT-5363
#### 0.56" Triple Digit Display

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Chip</th>
<th>Face Color</th>
<th>(V_{(IL)}) at (L=20)mA</th>
<th>(L_{(IL)}) at (L=10)mA</th>
<th>Drive Mode</th>
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<tbody>
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<td>Ultra-Green</td>
<td>2.0</td>
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<td>7988</td>
</tr>
<tr>
<td>TOT-5363A/1M/BMY</td>
<td>AlGa/Fe</td>
<td>Ultra-Yellow</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
</tr>
<tr>
<td>TOT-5363A/1M/BME</td>
<td>AlGa/Fe</td>
<td>Ultra-Red</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
</tr>
</tbody>
</table>

**Features**
- 0.56 inch digit height
- Various color
- K compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product
**Digit Display / Four Digit Display**

**TOF-5441**

0.54" Four Digit Display

**Features**
- 0.54" inch digit height
- Various color
- KC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Chip</th>
<th>Face Color</th>
<th>V(V) at L=20mA</th>
<th>I(ILED) at L=10mA</th>
<th>Drive Mode</th>
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</thead>
<tbody>
<tr>
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<td>AllCabP</td>
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<td>572</td>
<td>2.0 2.3 7988 15524</td>
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<tr>
<td>TOF-5441AMY/BMY</td>
<td>AllCabP</td>
<td>Ultra Yellow</td>
<td>590</td>
<td>2.0 2.3 7988 15524</td>
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<tr>
<td>TOF-5441AHG/BMR</td>
<td>AllCabP</td>
<td>Ultra Orange</td>
<td>623</td>
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</tr>
<tr>
<td>TOF-5441AHG/BMR</td>
<td>AllCabP</td>
<td>Ultra Red</td>
<td>630</td>
<td>2.0 2.3 7988 15524</td>
<td></td>
</tr>
</tbody>
</table>

**TOF-5462**

0.56" Four Digit Display

**Features**
- 0.56" inch digit height
- Various color
- KC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Chip</th>
<th>Face Color</th>
<th>V(V) at L=20mA</th>
<th>I(ILED) at L=10mA</th>
<th>Drive Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOF-5462AHG/BMC</td>
<td>AllCabP</td>
<td>Ultra Green</td>
<td>572</td>
<td>2.0 2.3 7988 15524</td>
<td>C.C/C.A</td>
</tr>
<tr>
<td>TOF-5462AMY/BMY</td>
<td>AllCabP</td>
<td>Ultra Yellow</td>
<td>590</td>
<td>2.0 2.3 7988 15524</td>
<td>Optional</td>
</tr>
<tr>
<td>TOF-5462AHG/BMR</td>
<td>AllCabP</td>
<td>Ultra Orange</td>
<td>623</td>
<td>2.0 2.3 10384 21937</td>
<td></td>
</tr>
<tr>
<td>TOF-5462AHG/BMR</td>
<td>AllCabP</td>
<td>Ultra Red</td>
<td>630</td>
<td>2.0 2.3 7988 15524</td>
<td></td>
</tr>
</tbody>
</table>

**TOF-5461**

0.56" Four Digit Display

**Features**
- 0.56" inch digit height
- Various color
- KC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Chip</th>
<th>Face Color</th>
<th>V(V) at L=20mA</th>
<th>I(ILED) at L=10mA</th>
<th>Drive Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOF-5461AHG/BMC</td>
<td>AllCabP</td>
<td>Ultra Green</td>
<td>572</td>
<td>2.0 2.3 7988 15524</td>
<td>C.C/C.A</td>
</tr>
<tr>
<td>TOF-5461AMY/BMY</td>
<td>AllCabP</td>
<td>Ultra Yellow</td>
<td>590</td>
<td>2.0 2.3 7988 15524</td>
<td>Optional</td>
</tr>
<tr>
<td>TOF-5461AHG/BMC</td>
<td>AllCabP</td>
<td>Ultra Orange</td>
<td>623</td>
<td>2.0 2.3 10384 21937</td>
<td></td>
</tr>
<tr>
<td>TOF-5461AHG/BMC</td>
<td>AllCabP</td>
<td>Ultra Red</td>
<td>630</td>
<td>2.0 2.3 7988 15524</td>
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</tr>
</tbody>
</table>

**TOF-5465**

0.56" Four Digit Display

**Features**
- 0.56" inch digit height
- Various color
- KC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine and billboard
- Consumer and gaming electronics application
- Home appliance display application
- Customization product

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Chip</th>
<th>Face Color</th>
<th>V(V) at L=20mA</th>
<th>I(ILED) at L=10mA</th>
<th>Drive Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOF-5465AHG/BMC</td>
<td>AllCabP</td>
<td>Ultra Green</td>
<td>572</td>
<td>2.0 2.3 7988 15524</td>
<td>C.C/C.A</td>
</tr>
<tr>
<td>TOF-5465AMY/BMY</td>
<td>AllCabP</td>
<td>Ultra Yellow</td>
<td>590</td>
<td>2.0 2.3 7988 15524</td>
<td>Optional</td>
</tr>
<tr>
<td>TOF-5465AHG/BMC</td>
<td>AllCabP</td>
<td>Ultra Orange</td>
<td>623</td>
<td>2.0 2.3 10384 21937</td>
<td></td>
</tr>
<tr>
<td>TOF-5465AHG/BMC</td>
<td>AllCabP</td>
<td>Ultra Red</td>
<td>630</td>
<td>2.0 2.3 7988 15524</td>
<td></td>
</tr>
</tbody>
</table>
**TOS-F3104**

0.30” Single Digit SMD Display

- **Features**
  - 0.30 inch digit height
  - Various color
  - K compatible
  - Excellent color uniformity
  - Low current operation available
  - Design flexibility
  - Thinner than traditional display

- **Application**
  - Medical and Industrial equipments
  - Cashier machine and billboard
  - Consumer and gaming electronics application
  - Home appliance display application
  - Customization product

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Chip</th>
<th>Face Color</th>
<th>V(I)/V at L=25mA</th>
<th>I(20mA) at L=10mA</th>
<th>Drive Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOS-F3104AM/GMC</td>
<td>Acrylic Ultra-Green</td>
<td>572</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
</tr>
<tr>
<td>TOS-F3104AM/YMC</td>
<td>Acrylic Ultra-Yellow</td>
<td>580</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
</tr>
<tr>
<td>TOS-F3104AM/BMC</td>
<td>Acrylic Ultra-Orange</td>
<td>623</td>
<td>2.0</td>
<td>2.3</td>
<td>10384</td>
</tr>
<tr>
<td>TOS-F3104AM/BRM</td>
<td>Acrylic Ultra-Red</td>
<td>630</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
</tr>
</tbody>
</table>

**TOT-F2381**

0.28” Triple Digit SMD Display

- **Features**
  - 0.28 inch digit height
  - Various color
  - K compatible
  - Excellent color uniformity
  - Low current operation available
  - Design flexibility
  - Thinner than traditional display

- **Application**
  - Medical and industrial equipments
  - Cashier machine and billboard
  - Consumer and gaming electronics application
  - Home appliance display application
  - Customization product

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Chip</th>
<th>Face Color</th>
<th>V(I)/V at L=25mA</th>
<th>I(20mA) at L=10mA</th>
<th>Drive Mode</th>
</tr>
</thead>
<tbody>
<tr>
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<td>AlGaP Ultra-Green</td>
<td>572</td>
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<td>2.3</td>
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</tr>
<tr>
<td>TOT-F2381AM/YMC</td>
<td>AlGaP Ultra-Yellow</td>
<td>590</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
</tr>
<tr>
<td>TOT-F2381AM/BMC</td>
<td>AlGaP Ultra-Orange</td>
<td>623</td>
<td>2.0</td>
<td>2.3</td>
<td>10384</td>
</tr>
<tr>
<td>TOT-F2381AM/BRM</td>
<td>AlGaP Ultra-Red</td>
<td>630</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
</tr>
</tbody>
</table>

**TOD-F2281**

0.28” Dual Digit SMD Display

- **Features**
  - 0.28 inch digit height
  - Various color
  - K compatible
  - Excellent color uniformity
  - Low current operation available
  - Design flexibility
  - Thinner than traditional display

- **Application**
  - Medical and Industrial equipments
  - Cashier machine and billboard
  - Consumer and gaming electronics application
  - Home appliance display application
  - Customization product

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Chip</th>
<th>Face Color</th>
<th>V(I)/V at L=25mA</th>
<th>I(20mA) at L=10mA</th>
<th>Drive Mode</th>
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<tbody>
<tr>
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<td>2.3</td>
<td>7988</td>
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<tr>
<td>TOD-F2281AB/YMC</td>
<td>Acrylic Ultra-Yellow</td>
<td>590</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
</tr>
<tr>
<td>TOD-F2281AB/BMC</td>
<td>Acrylic Ultra-Orange</td>
<td>623</td>
<td>2.0</td>
<td>2.3</td>
<td>10384</td>
</tr>
<tr>
<td>TOD-F2281AB/BRM</td>
<td>Acrylic Ultra-Red</td>
<td>630</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
</tr>
</tbody>
</table>

**TOT-F3301**

0.30” Triple Digit SMD Display

- **Features**
  - 0.30 inch digit height
  - Various color
  - K compatible
  - Excellent color uniformity
  - Low current operation available
  - Design flexibility
  - Thinner than traditional display

- **Application**
  - Medical and industrial equipments
  - Cashier machine and billboard
  - Consumer and gaming electronics application
  - Home appliance display application
  - Customization product

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Chip</th>
<th>Face Color</th>
<th>V(I)/V at L=25mA</th>
<th>I(20mA) at L=10mA</th>
<th>Drive Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOT-F3301AM/GMC</td>
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<td>572</td>
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<tr>
<td>TOT-F3301AM/YMC</td>
<td>AlGaP Ultra-Yellow</td>
<td>590</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
</tr>
<tr>
<td>TOT-F3301AM/BMC</td>
<td>AlGaP Ultra-Orange</td>
<td>623</td>
<td>2.0</td>
<td>2.3</td>
<td>10384</td>
</tr>
<tr>
<td>TOT-F3301AM/BRM</td>
<td>AlGaP Ultra-Red</td>
<td>630</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
</tr>
</tbody>
</table>
**TOM-757**

**5x7 Ø 1.9 Dot Matrix Display**

**Features**
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility
- Character and video display

**Application**
- Electronic marquees
- Commercial signboards
- Customization product

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Material</th>
<th>Emitted Color</th>
<th>J, (Lm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOM-757AMG/BMG</td>
<td>AlGaNp</td>
<td>Ultra-Green</td>
<td>572</td>
</tr>
<tr>
<td>TOM-757AMY/BMY</td>
<td>AlGaNp</td>
<td>Ultra-Yellow</td>
<td>590</td>
</tr>
<tr>
<td>TOM-757AMH/BME</td>
<td>AlGaNp</td>
<td>Ultra-Orange</td>
<td>623</td>
</tr>
<tr>
<td>TOM-757AH/E/BME</td>
<td>AlGaNp</td>
<td>Ultra-Red</td>
<td>630</td>
</tr>
</tbody>
</table>

**Chip**
- V/I (V) at L=20mA
- L(Joule) at L=10mA

**Table Values**
- Typ: 2.0, Min: 2.3, Max: 7988, Typ: 15224

**TOM-1057**

**5x7 Ø 3.0 Dot Matrix Display**

**Features**
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility
- Character and video display

**Application**
- Electronic marquees
- Commercial signboards
- Customization product

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Material</th>
<th>Emitted Color</th>
<th>J, (Lm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOM-1057AMG/BMG</td>
<td>AlGaNp</td>
<td>Ultra-Green</td>
<td>572</td>
</tr>
<tr>
<td>TOM-1057AMY/BMY</td>
<td>AlGaNp</td>
<td>Ultra-Yellow</td>
<td>590</td>
</tr>
<tr>
<td>TOM-1057AMH/BME</td>
<td>AlGaNp</td>
<td>Ultra-Orange</td>
<td>623</td>
</tr>
<tr>
<td>TOM-1057AH/E/BME</td>
<td>AlGaNp</td>
<td>Ultra-Red</td>
<td>630</td>
</tr>
</tbody>
</table>

**Chip**
- V/I (V) at L=20mA
- L(Joule) at L=10mA

**Table Values**
- Typ: 2.0, Min: 2.3, Max: 7988, Typ: 15224

**TOM-D757**

**5x7 Ø 1.9 Dot Matrix Display**

**Features**
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility
- Character and video display

**Application**
- Electronic marquees
- Commercial signboards
- Customization product

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Material</th>
<th>Emitted Color</th>
<th>J, (Lm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOM-D757AMG/BMG</td>
<td>AlGaNp</td>
<td>Ultra-Green</td>
<td>572</td>
</tr>
<tr>
<td>TOM-D757AMY/BMY</td>
<td>AlGaNp</td>
<td>Ultra-Yellow</td>
<td>590</td>
</tr>
<tr>
<td>TOM-D757AMH/BME</td>
<td>AlGaNp</td>
<td>Ultra-Orange</td>
<td>623</td>
</tr>
<tr>
<td>TOM-D757AH/E/BME</td>
<td>AlGaNp</td>
<td>Ultra-Red</td>
<td>630</td>
</tr>
</tbody>
</table>

**Chip**
- V/I (V) at L=20mA
- L(Joule) at L=10mA

**Table Values**
- Typ: 2.0, Min: 2.3, Max: 7988, Typ: 15224

**TOM-1157**

**5x7 Ø 3.0 Dot Matrix Display**

**Features**
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility
- Character and video display

**Application**
- Electronic marquees
- Commercial signboards
- Customization product

<table>
<thead>
<tr>
<th>Part Number</th>
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<th>J, (Lm)</th>
</tr>
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<tr>
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<td>572</td>
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<tr>
<td>TOM-1157AMH/BME</td>
<td>AlGaNp</td>
<td>Ultra-Orange</td>
<td>623</td>
</tr>
<tr>
<td>TOM-1157AH/E/BME</td>
<td>AlGaNp</td>
<td>Ultra-Red</td>
<td>630</td>
</tr>
</tbody>
</table>

**Chip**
- V/I (V) at L=20mA
- L(Joule) at L=10mA

**Table Values**
- Typ: 2.0, Min: 2.3, Max: 7988, Typ: 15224
**Dot Matrix Display / 5x8**

---

**TOM-1058**

- **SMD Ø5.0 Dot Matrix Display**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Material</th>
<th>Emitting Color</th>
<th>V_{TYP}</th>
<th>MIN</th>
<th>MAX</th>
<th>L@10mA</th>
<th>V_{MIN}</th>
<th>V_{MAX}</th>
<th>Drive Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOM-1058AMC/BMG</td>
<td>AlGaNP</td>
<td>Ultra-Green</td>
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<td>2.3</td>
<td>7988</td>
<td>15524</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOM-1058APY/BMY</td>
<td>AlGaNP</td>
<td>Ultra-Yellow</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
<td>15524</td>
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<td></td>
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</tr>
<tr>
<td>TOM-1058APM/BME</td>
<td>AlGaNP</td>
<td>Ultra-Orange</td>
<td>2.0</td>
<td>2.3</td>
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<td>21937</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>TOM-1058APM/BMS</td>
<td>AlGaNP</td>
<td>Ultra-Red</td>
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<td>2.3</td>
<td>7988</td>
<td>15524</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

**Features**
- Various color
- KC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility
- Character and video display

**Application**
- Electronic marquee
- Commercial signboard
- Customization product

---

**TOM-3058**

- **SMD Ø7.62 Dot Matrix Display**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Material</th>
<th>Emitting Color</th>
<th>V_{TYP}</th>
<th>MIN</th>
<th>MAX</th>
<th>L@10mA</th>
<th>V_{MIN}</th>
<th>V_{MAX}</th>
<th>Drive Mode</th>
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</thead>
<tbody>
<tr>
<td>TOM-3058AMC/BMG</td>
<td>AlGaNP</td>
<td>Ultra-Green</td>
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<tr>
<td>TOM-3058APY/BMY</td>
<td>AlGaNP</td>
<td>Ultra-Yellow</td>
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<tr>
<td>TOM-3058APM/BME</td>
<td>AlGaNP</td>
<td>Ultra-Orange</td>
<td>2.0</td>
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<td>10384</td>
<td>21937</td>
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<td>TOM-3058APM/BMS</td>
<td>AlGaNP</td>
<td>Ultra-Red</td>
<td>2.0</td>
<td>2.3</td>
<td>7988</td>
<td>15524</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

**Features**
- Various color
- KC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility
- Character and video display

**Application**
- Electronic marquee
- Commercial signboard
- Customization product

---

**TOM-2058**

- **SMD Ø5.0 Dot Matrix Display**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Material</th>
<th>Emitting Color</th>
<th>V_{TYP}</th>
<th>MIN</th>
<th>MAX</th>
<th>L@10mA</th>
<th>V_{MIN}</th>
<th>V_{MAX}</th>
<th>Drive Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOM-2058AMC/BMG</td>
<td>AlGaNP</td>
<td>Ultra-Green</td>
<td>2.0</td>
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<td>TOM-2058APY/BMY</td>
<td>AlGaNP</td>
<td>Ultra-Yellow</td>
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<td>15524</td>
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<tr>
<td>TOM-2058APM/BME</td>
<td>AlGaNP</td>
<td>Ultra-Orange</td>
<td>2.0</td>
<td>2.3</td>
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<td>7988</td>
<td>15524</td>
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<td></td>
</tr>
</tbody>
</table>

**Features**
- Various color
- KC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility
- Character and video display

**Application**
- Electronic marquee
- Commercial signboard
- Customization product

---

**TOM-4058**

- **SMD Ø10.0 Dot Matrix Display**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Material</th>
<th>Emitting Color</th>
<th>V_{TYP}</th>
<th>MIN</th>
<th>MAX</th>
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<th>V_{MIN}</th>
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<td>TOM-4058AMC/BMG</td>
<td>AlGaNP</td>
<td>Ultra-Green</td>
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<td>2.3</td>
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<td>15524</td>
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**Features**
- Various color
- KC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility
- Character and video display

**Application**
- Electronic marquee
- Commercial signboard
- Customization product
**TOA-L10Zx**

**Features**
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine
- Consumer and gaming electronics application
- Home appliance
- Customization product

**Chips**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Material</th>
<th>Emitted Color</th>
<th>V (V) at L=20mA</th>
<th>L (cd/m²) at L=10mA</th>
<th>Drive Mode</th>
</tr>
</thead>
<tbody>
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<td>TOA-L10Z0MG</td>
<td>AlGaNp</td>
<td>Ultra-Green</td>
<td>0.2</td>
<td>2.0</td>
<td>C.C/C.A</td>
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<td>C.C/C.A</td>
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</tbody>
</table>

**TOA-L2500Zx**

**Features**
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine
- Consumer and gaming electronics application
- Home appliance
- Customization product

**Chips**

<table>
<thead>
<tr>
<th>Part Number</th>
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</tr>
</thead>
<tbody>
<tr>
<td>TOA-L2500Z0MG</td>
<td>AlGaNp</td>
<td>Ultra-Green</td>
<td>0.2</td>
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<td>0.2</td>
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**TOA-L17Zx**

**Features**
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine
- Consumer and gaming electronics application
- Home appliance
- Customization product

**Chips**

<table>
<thead>
<tr>
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<th>Drive Mode</th>
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<td>2.0</td>
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<td>0.2</td>
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<td>Ultra-White</td>
<td>0.2</td>
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<td>C.C/C.A</td>
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**TOA-L2700Zx**

**Features**
- Various color
- IC compatible
- Excellent color uniformity
- Low current operation available
- Design flexibility

**Application**
- Medical and industrial equipments
- Cashier machine
- Consumer and gaming electronics application
- Home appliance
- Customization product

**Chips**

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SMD LED
LAMP LED
LUMICHAIN
Product Catalogue