

## Excellent Integrated System Limited

Stocking Distributor

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[Panasonic Electronic Components](#)  
[LN543RAN8](#)

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## Numeric Display

### 4 Digit 7.3 mm (.3") Series

Conventional Part No. Global Part No. Lighting Color

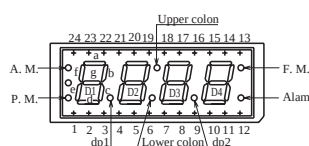
LN543RAN8 ..... LNM243AT01 ..... Red

LN543RKN8 ..... LNM243KT01 ..... Red

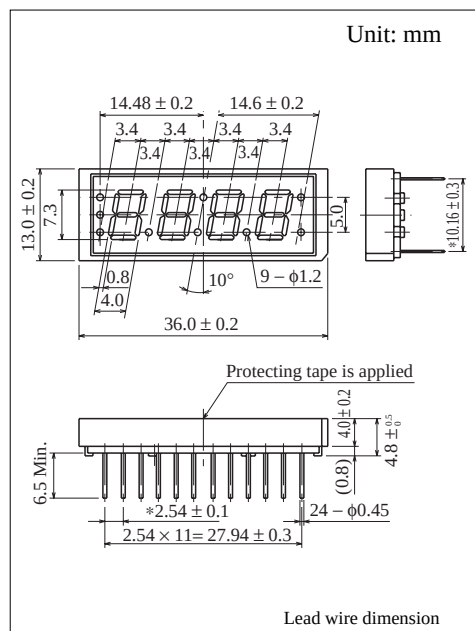
LN543GAN8 ..... LNM343AT01 ..... Green

LN543GKN8 ..... LNM343KT01 ..... Green

#### Terminal Connection



| Pin No. | Assignment              | Assignment                |
|---------|-------------------------|---------------------------|
| 1       | Cathode PM              | Anode PM                  |
| 2       | Cathode Dig1            | Anode Dig1                |
| 3       | Cathode d               | Anode d                   |
| 4       | Cathode dp1             | Anode dp1                 |
| 5       | Cathode Dig2            | Anode Dig2                |
| 6       | Cathode Lower colon     | Anode Lower colon         |
| 7       | Cathode Upper colon     | Anode Upper colon         |
| 8       | Anode Dig3              | Cathode Dig3              |
| 9       | Cathode dp2             | Anode dp2                 |
| 10      | Anode Dig4              | Cathode Dig4              |
| 11      | Cathode e               | Anode e                   |
| 12      | Cathode Alarm           | Anode Alarm               |
| 13      | Anode FM. Alarm         | Cathode FM. Alarm         |
| 14      | Cathode FM              | Anode FM                  |
| 15      | Cathode a               | Anode a                   |
| 16      | Anode dp2               | Cathode dp2               |
| 17      | Anode Lower Upper colon | Cathode Lower Upper colon |
| 18      | Cathode f               | Anode f                   |
| 19      | Cathode b               | Anode b                   |
| 20      | Cathode c               | Anode c                   |
| 21      | Anode dp1               | Cathode dp1               |
| 22      | Cathode g               | Anode g                   |
| 23      | Cathode AM              | Anode AM                  |
| 24      | Anode AM, FM            | Cathode AM, FM            |



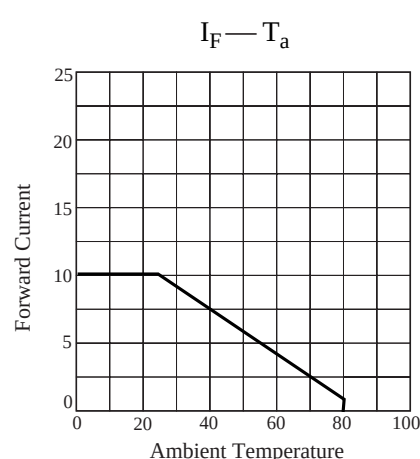
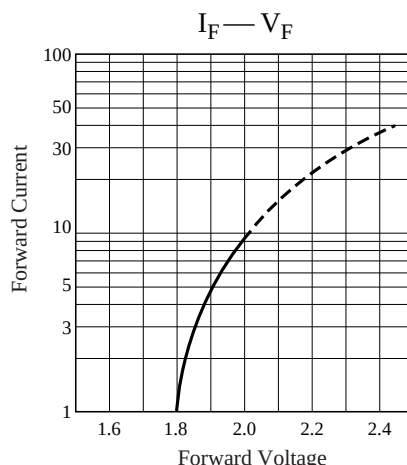
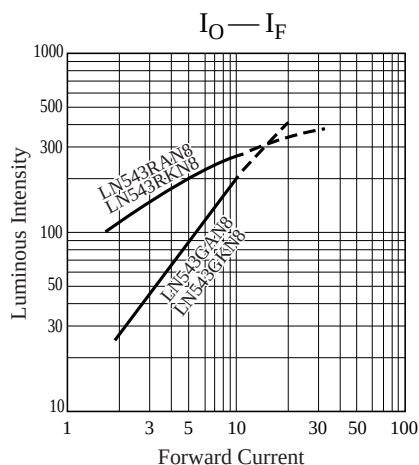
#### ■ Absolute Maximum Ratings ( $T_a = 25^\circ\text{C}$ )

| Lighting Color | $P_D(\text{mW})$ | $I_F(\text{mA})$ | $I_{FP}(\text{mA})^*$ | $V_R(\text{V})$ | $T_{opr}(\text{C})$ | $T_{stg}(\text{C})$ |
|----------------|------------------|------------------|-----------------------|-----------------|---------------------|---------------------|
| Red            | 30               | 10               | 60                    | 5               | -25 ~ +80           | -30 ~ +85           |
| Green          | 30               | 10               | 60                    | 5               | -25 ~ +80           | -30 ~ +85           |

Pulse width 1 msec. The condition of  $I_{FP}$  is duty 10%, Pulse width 1 msec

#### ■ Electro-Optical Characteristics ( $T_a = 25^\circ\text{C}$ )

| Conventional Part No. | Lighting Color | Common  | $I_O / \text{seg.}$ |                | $I_O / d.p.$   |       | $V_F$ |     | $\lambda_p$ | $\Delta\lambda$ | $I_F$ | $I_R$         |       |
|-----------------------|----------------|---------|---------------------|----------------|----------------|-------|-------|-----|-------------|-----------------|-------|---------------|-------|
|                       |                |         | Typ                 | Min            | Typ            | $I_F$ | Typ   | Max |             |                 |       | Max           | $V_R$ |
| LN543RAN8             | Red            | Anode   | 200                 | 100            | 100            | 5     | 2.03  | 2.8 | 700         | 100             | 10    | 10            | 5     |
| LN543RKN8             | Red            | Cathode | 200                 | 100            | 100            | 5     | 2.03  | 2.8 | 700         | 100             | 10    | 10            | 5     |
| LN543GAN8             | Green          | Anode   | 200                 | 80             | 80             | 10    | 2.03  | 2.8 | 565         | 30              | 10    | 10            | 5     |
| LN543GKN8             | Green          | Cathode | 200                 | 80             | 80             | 10    | 2.03  | 2.8 | 565         | 30              | 10    | 10            | 5     |
| Unit                  | —              | —       | $\mu\text{cd}$      | $\mu\text{cd}$ | $\mu\text{cd}$ | mA    | V     | V   | nm          | nm              | mA    | $\mu\text{A}$ | V     |



# Caution for Safety

 **DANGER**

Gallium arsenide material (GaAs) is used in this product.

Therefore, do not burn, destroy, cut, crush, or chemically decompose the product, since gallium arsenide material in powder or vapor form is harmful to human health.

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