

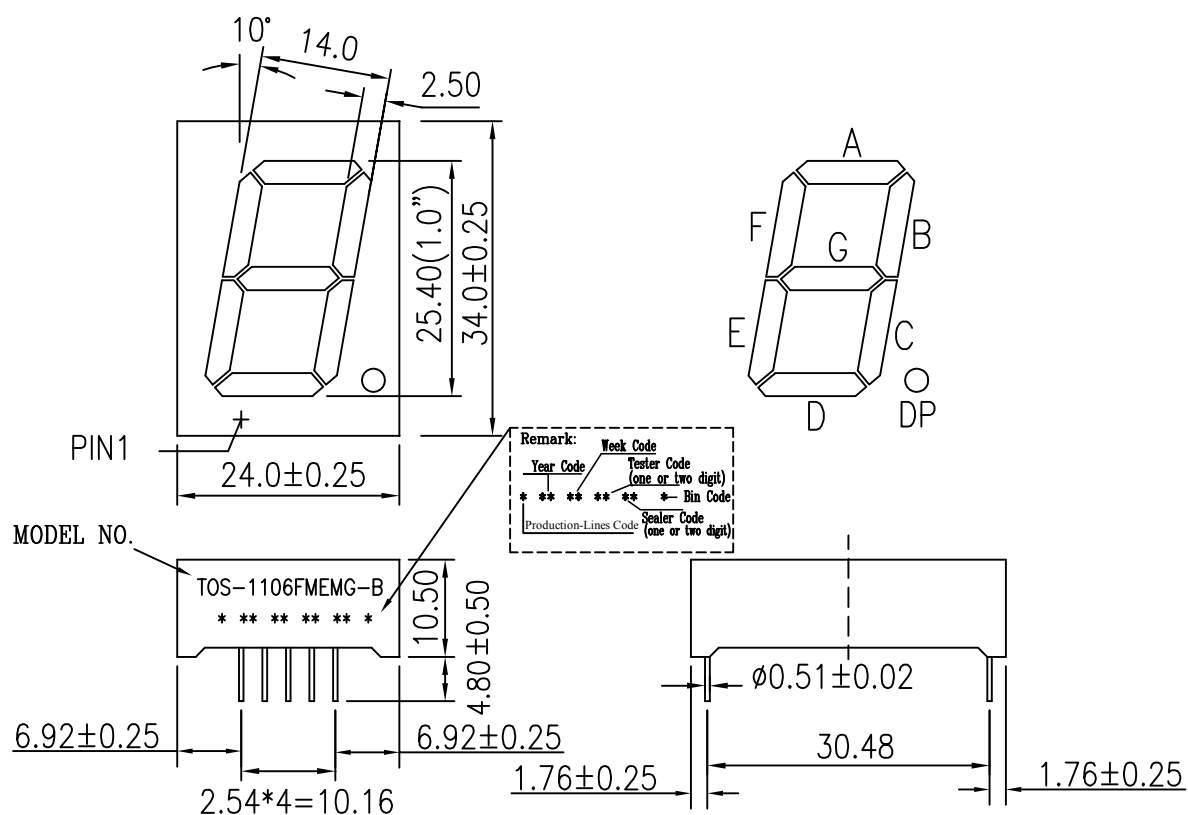


# TAIWAN OASIS LED DATA SHEET

PART NO. : TOS-1106FMEMG-B

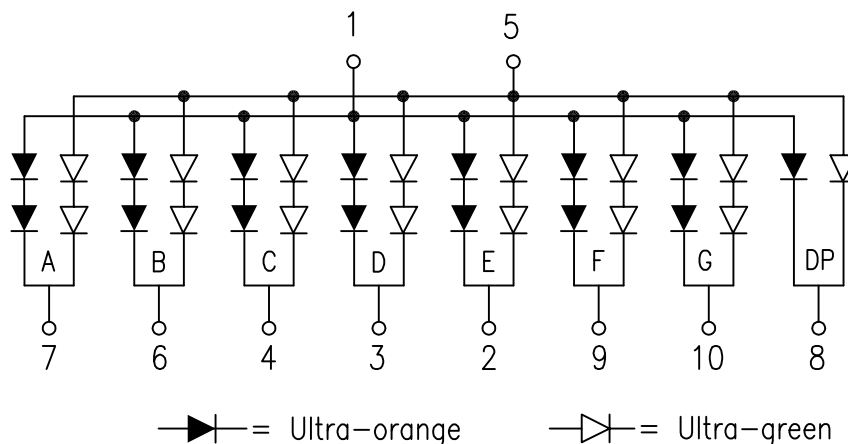
| APPEARANCE |         |             | TECHNOLOGIE  | AlGaInP/GaAs  | AlGaInP/GaAs |
|------------|---------|-------------|--------------|---------------|--------------|
| FACE       | SEGMENT | PIN         | SOURCE COLOR | Ultra-orange  | Ultra-green  |
|            |         |             | DRIVER MODE  | Com.Anode     |              |
| Black      | White   | ø0.51x10.28 | PACKING      | Tube(JOB-290) |              |

## PACKAGE DIMENSIONS



NORMAL TOLERANCE:±0.25      ANGLE:±1°

## INTERNAL CIRCUIT DIAGRAM



|      |           |           |     |             |                 |          |       |          |  |
|------|-----------|-----------|-----|-------------|-----------------|----------|-------|----------|--|
| DATE | 01/23/07' | SCALE     | 2:1 | DRAWING NO. | S-1106FMEMG-B-A | DRAWN    | Y.B.B | CHECKED  |  |
| UNIT | M/M       | SHEET NO. | 1/2 |             |                 | CUSTOMER |       | APPROVED |  |



# TAIWAN OASIS LED DATA SHEET

PART NO. : TOS-1106FMEMG-B

|                                                     |                        |              |
|-----------------------------------------------------|------------------------|--------------|
| Color of Emission                                   | MultiColor             |              |
| Color Code                                          | ME                     | MG           |
| Packing                                             | Tube(JOB-290)          |              |
| Technologie                                         | AlGaInP/GaAs           | AlGaInP/GaAs |
| Luminous Intensity at 10mA (TYP.)                   | T:26326~39489 $\mu$ cd |              |
| Luminous Intensity at 10mA (TYP.)                   | U:39490~59235 $\mu$ cd |              |
| Luminous Intensity at 10mA (TYP.)                   | V:59236~88854 $\mu$ cd |              |
| Segment To Segment Luminous Intensity Ratio         | <2.0:1                 |              |
| Dominant Wavelength at I <sub>F</sub> 20mA          | 623nm                  | 575nm        |
| Spectral Line Half Width at I <sub>F</sub> 20mA     | 17nm                   | 15nm         |
| Forward Voltage V <sub>F</sub> @20mA                | 3.6 ~4.6V              | 3.6 ~4.6V    |
| Forward Current 25°C (Max.)                         | 20mA                   | 20mA         |
| Forward Current 70°C (Max.)                         | 12mA                   | 12mA         |
| Peak Forward Current                                | 80mA/0.1mS             | 80mA/0.1mS   |
| Reverse Voltage/Segment                             | >10V                   |              |
| Power dissipation/Segment (Max.)                    | 120mW                  | 120mW        |
| Reverse Current I <sub>R</sub> (V <sub>R</sub> 10V) | <100 $\mu$ A           |              |
| Operating Temp Range                                | -25°C ~ +85°C          |              |
| Storage Temp Range                                  | -30°C ~ +85°C          |              |
| Storage Time at 25 $\pm$ 2°C/65%RH $\pm$ 5%RH       | 6 Month                |              |
| Junction Temp T <sub>j</sub>                        | >85°C                  |              |
| Solder Temp                                         | 260°C/3sec             |              |

Notes:Above specification may be changed without notice.

|      |           |           |     |             |                 |          |       |          |  |
|------|-----------|-----------|-----|-------------|-----------------|----------|-------|----------|--|
| DATE | 01/23/07' | SCALE     |     | DRAWING NO. | S-1106FMEMG-B-A | DRAWN    | Y.B.B | CHECKED  |  |
| UNIT |           | SHEET NO. | 2/2 |             |                 | CUSTOMER |       | APPROVED |  |