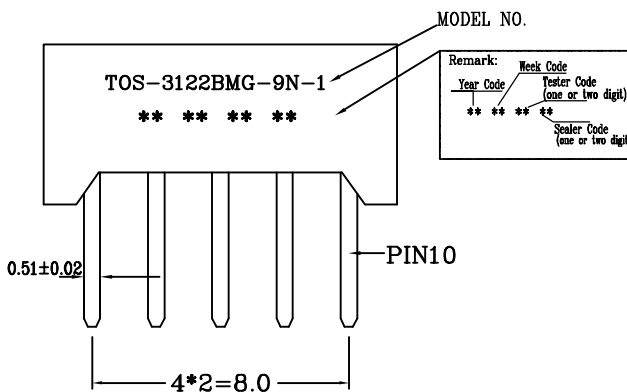
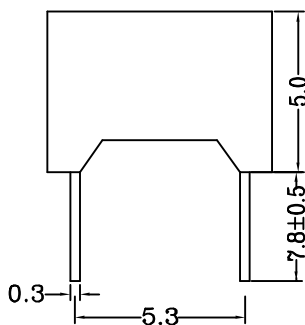
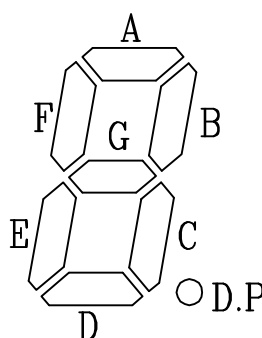
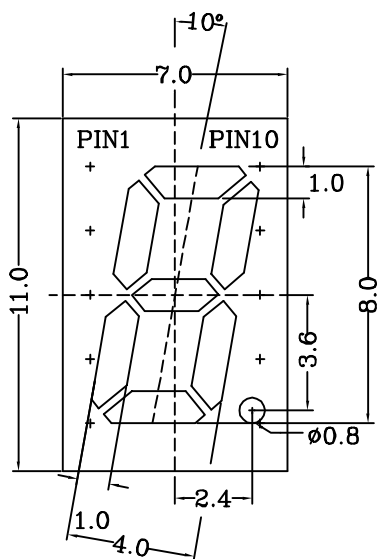


# TAIWAN OASIS LED DATA SHEET

PART NO. : TOS-3122BMG-9N-1

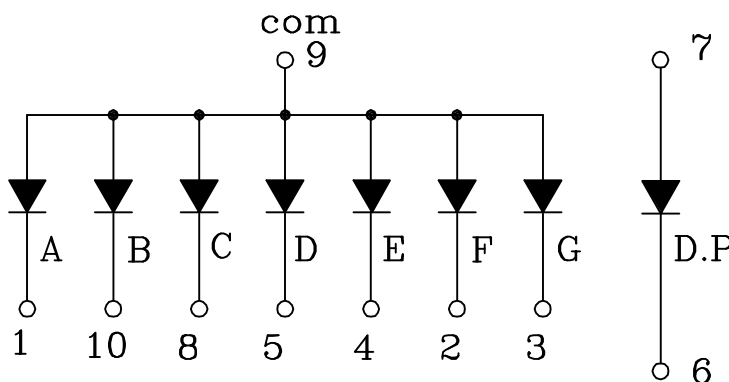
APPEARANCE			TECHNOLOGY	AlGaInP/GaAs
FACE	SEGMENT	FLAT PIN	SOURCE COLOR	Ultra-green
Gray	White	0.3*10.28	DRIVER MODE	Com. Anode
			PACKING	Tube(3104)

## PACKAGE DIMENSIONS



NORMAL TOLERANCE: ±0.25 ANGLE: ±1°

## INTERNAL CIRCUIT DIAGRAM



DATE	09/10/09'	SCALE	4:1	DRAWNG NO.	S-3122BMG-9N-1-A	DRAWN	w.x.w	CHECKED	
UNIT	M/M	SHEET NO.	1/2			CUSTOMER		APPROVED	

# TAIWAN OASIS LED DATA SHEET

PART NO. : TOS-3122BMG-9N-1

ABSOLUTE MAXIMUM RATINGS AT TA=25°C

PARAMETER	VALUE	UNITS
Power Dissipation Per Segment	75	mW
Peak Forward Current Per Segment (1/10 Duty Cycle, 0.1ms Pulse Width)	80	mA
Continuous Forward Current Per Segment	20	mA
Recommend Operating Current	12	mA
Reverse Voltage Per Segment	5	V
Operating Temperature Range	-25 to +85	°C
Storage Temperature Range	-30 to +85	°C
Junction Temperature	>85	°C
Lead-Free Solder Temperature(1/16 Inch Below Seating Plane)	260°C for 3 sec.	

ELECTRICAL/OPTICAL CHARACTERISTICS AT TA=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNITS	TEST CONDITION
Luminous Intensity Per Segment	I <sub>v</sub>		15524		μcd	I <sub>F</sub> = 10mA
Dominant Emission Wavelength	λ <sub>d</sub>		572		nm	I <sub>F</sub> = 20mA
Spectral Line Half-Width	Δλ		15		nm	I <sub>F</sub> = 20mA
Forward Voltage Per Segment	V <sub>F</sub>	1.8	2.0	2.3	V	I <sub>F</sub> = 20mA
Reverse Current Per Segment	I <sub>R</sub>			100	μA	V <sub>R</sub> = 5V
Luminous Intensity Matching Rate	I <sub>v</sub> -m			2:1		I <sub>F</sub> = 20mA

DATE	09/10/09'	SCALE	————	DRAWING NO.	S-3122BMG-9N-1-A	DRAWN	W.X.W	CHECKED	
UNIT	————	SHEET NO.	2/2						