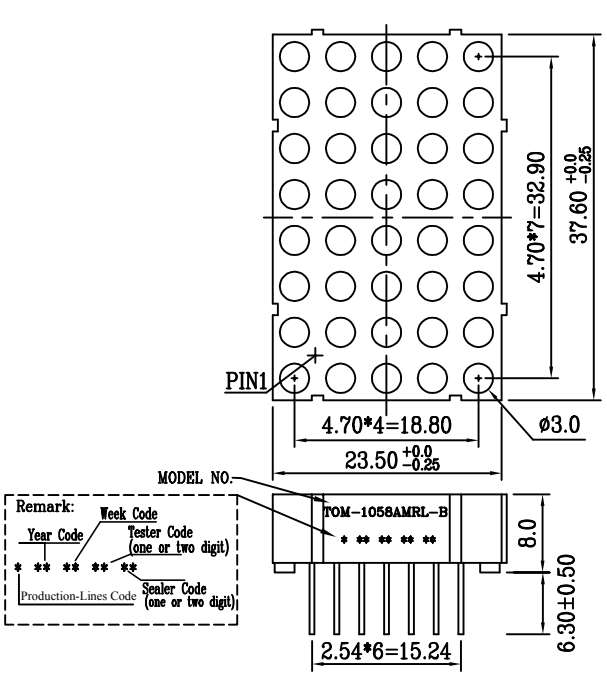
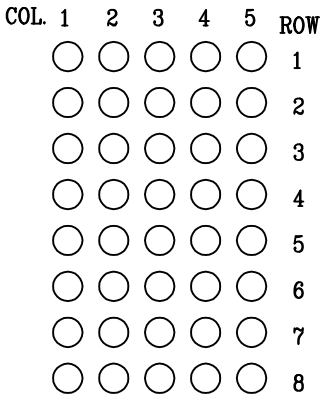
TAIWAN OASIS LED DATA SHEET

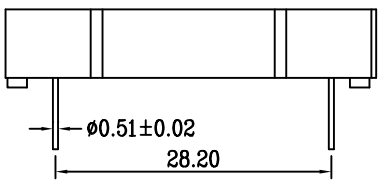
PART NO. : TOM-1058AMRL-B

APPEARANCE			TECHNOLOGIE	AlGaInP/GaAs
FACE	SEGMENT	PIN	SOURCE COLOR	Ultra-Red
			DRIVER MODE	Row. Cathode
Black	White	ø0.51x10.28	PACKING	Tube

PACKAGE DIMENSIONS

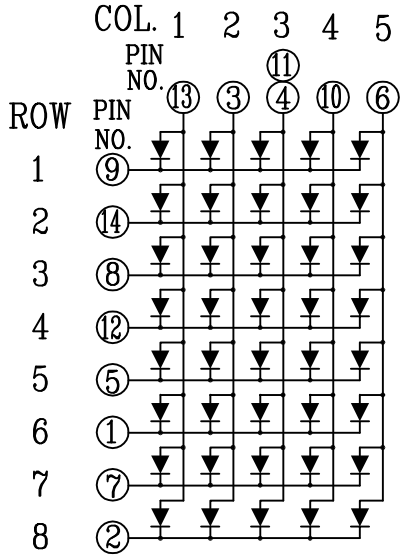






NORMAL TOLERANCE:±0.25 ANGLE:±1°

INTERNAL CIRCUIT DIAGRAM



DATE	10/26/07'	SCALE	2.5:1	DRAWING NO.	S-1058AMRL-B-A	DRAWN	L.D.Y	CHECKED	
UNIT	M/M	SHEET NO.	1/2			CUSTOMER		APPROVED	

TAIWAN OASIS LED DATA SHEET

PART NO. : TOM-1058AMRL-B

ABSOLUTE MAXIMUM RATINGS AT TA=25°C

PARAMETER	VALUE	UNITS
Power Dissipation Per Dot	60	mW
Peak Forward Current Per Dot (1/10 Duty Cycle, 0.1ms Pulse Width)	80	mA
Continuous Forward Current Per Dot	20	mA
Recommend Operating Current	15	mA
Reverse Voltage Per Dot	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 Dot	Iv	10384	15524		ucd	I_F=10mA
Dominant Emission Wavelength	λd		640		nm	I_F=20mA
Spectral Line Half-Width	△λ		15		nm	I_F=20mA
Forward Voltage Per Dot	V_F	1.8	2.0	2.3	V	I_F=20mA
Reverse Current Per Dot	I_R			100	μA	V_R=5V
Luminous Intensity Matching Rate	Iv-m			2.0:1		I_F=20mA

Notes:Above specification may be changed without notice.

DATE	10/26/07'	SCALE	———	DRAWING NO.	S-1058AMRL-B-A	DRAWN	L.D.Y	CHECKED	
UNIT	———	SHEET NO.	2/2			CUSTOMER		APPROVED	