

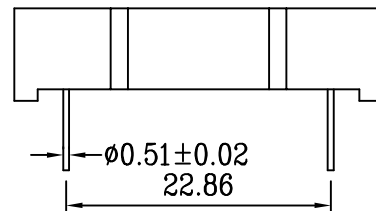
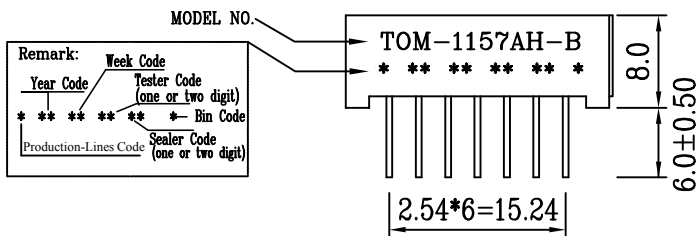
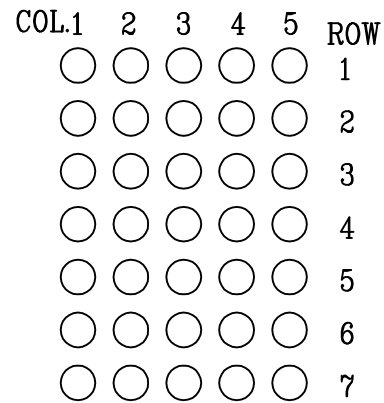
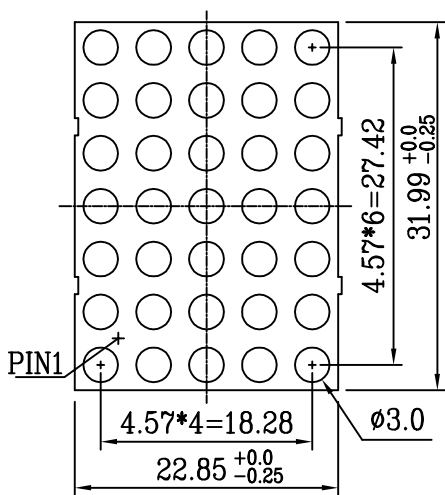


TAIWAN OASIS LED DATA SHEET

PART NO. : TOM-1157AH-B

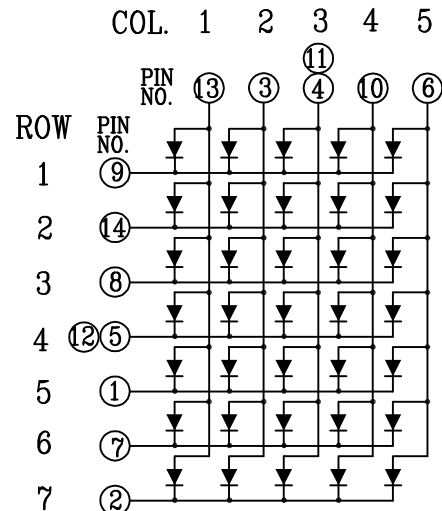
APPEARANCE			TECHNOLOGY	GaAlAs/GaAs
FACE	SEGMENT	PIN	SOURCE COLOR	Hi-Red
Black	White	ø0.51x10.28	DRIVER MODE	Row. Cathode
			PACKING	Tube(JOB-290)

PACKAGE DIMENSIONS



NORMAL TOLERANCE: ±0.25 ANGLE: ±1°

INTERNAL CIRCUIT DIAGRAM



DATE	07/30/05'	SCALE	1.5:1	DRAWING NO.	S-1157AH-B-A	DRAWN	Y.J.G	CHECKED	
UNIT	M/M	SHEET NO.	1/2			CUSTOMER		APPROVED	



TAIWAN OASIS LED DATA SHEET

PART NO. : TOM-1157AH-B

ABSOLUTE MAXIMUM RATINGS AT TA=25°C

PARAMETER	VALUE	UNITS
Power Dissipation Per Segment	60	mW
Peak Forward Current Per Segment (1/10 Duty Cycle, 0.1ms Pulse Width)	70	mA
Continuous Forward Current Per Segment	18	mA
Recommend Operating Current	14	mA
Reverse Voltage Per Segment	5	V
Operating Temperature Range	-25 to +85	°C
Storage Temperature Range	-30 to +85	°C
Storage Time at 25±2°C/65%RH±5%RH	6	Month
Junction Temperature	+85	°C
Soldering Temperature	260°C for 3 sec.	

ELECTRICAL/OPTICAL CHARACTERISTICS AT TA=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNITS	TEST CONDITION	GRADE
Luminous Intensity Per Dot	I _v	6145	7066	7987	μcd	I _F = 10mA	M
Luminous Intensity Per Dot	I _v	7988	9185	10383	μcd	I _F = 10mA	N
Luminous Intensity Per Dot	I _v	10384	11941	13499	μcd	I _F = 10mA	P
Peak Emission Wavelength	λ _p		660		nm	I _F = 20mA	
Spectral Line Half-Width	Δλ		20		nm	I _F = 20mA	
Forward Voltage Per Dot	V _F	1.7	1.8	2.0	V	I _F = 20mA	
Reverse Current Per Dot	I _R			20	μA	V _R = 5V	
Luminous Intensity Matching Rate	I _v -m			1.5:1		I _F = 20mA	

DATE	07/30/05'	SCALE	_____	TOLERANCE	_____	DRAWN	Y.J.G	CHECKED	
UNIT	_____	SHEET NO.	2/2	DRAWING NO.	S-1157AH-B-A	CUSTOMER		APPROVED	