

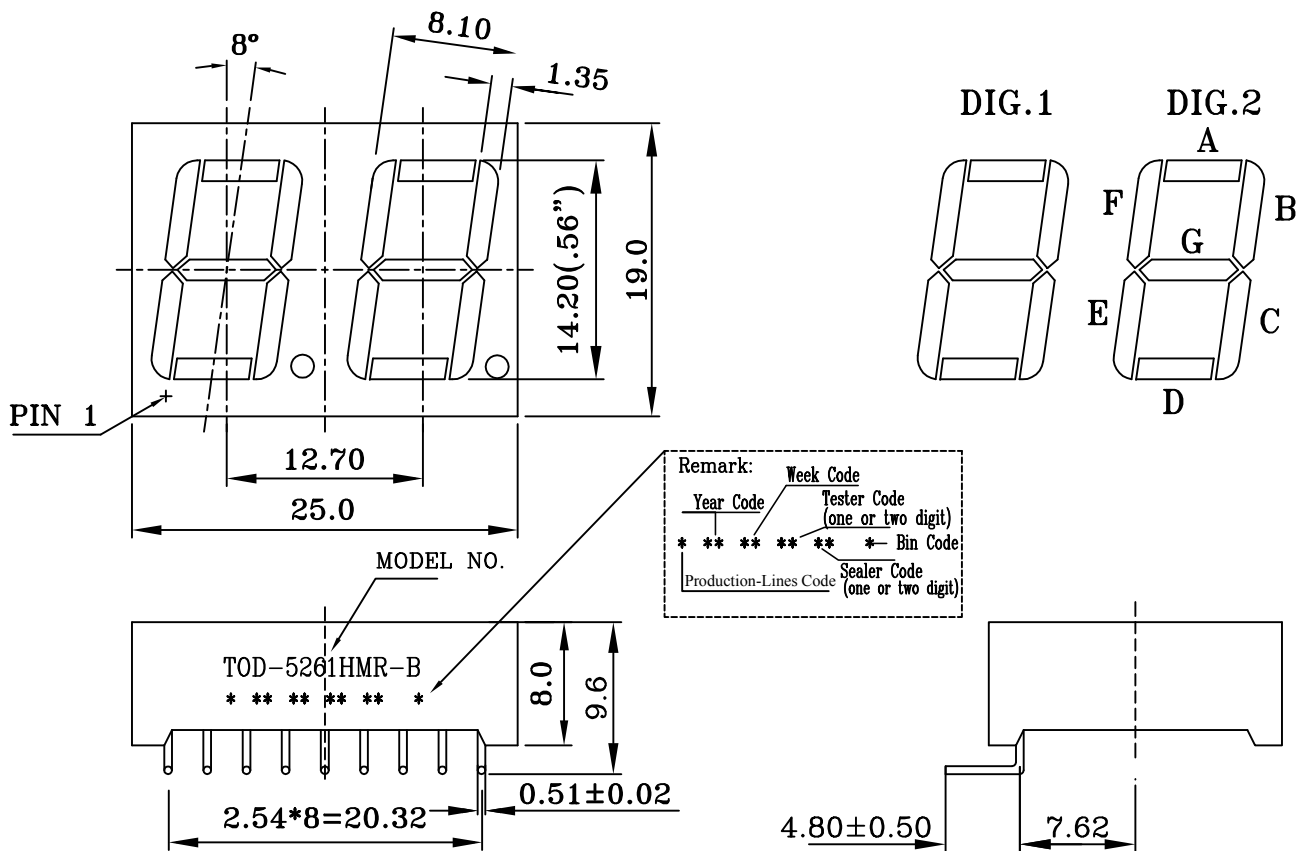


TAIWAN OASIS LED DATA SHEET

PART NO. : TOD-5261HMR-B

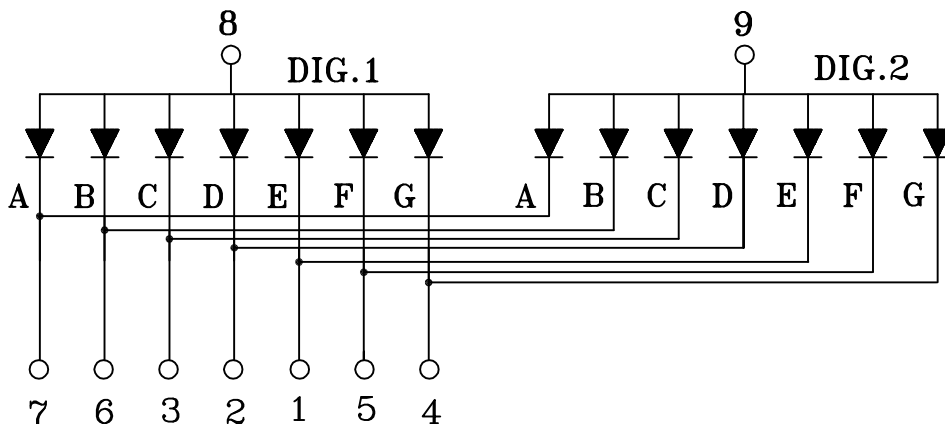
APPEARANCE			TECHNOLOGIE	AlGaInP/GaAs
FACE	SEGMENT	PIN	SOURCE COLOR	Ultra-Red
Black	White	∅0.51*10.28	DRIVER MODE	Com. Anode
			PACKING	Tube(BBCD)

PACKAGE DIMENSIONS



NORMAL TOLERANCE: ±0.25 ANGLE: ±1°

INTERNAL CIRCUIT DIAGRAM



DATE	07/13/06'	SCALE	2:1	DRAWING NO.	S-5261HMR-B-A	DRAWN	Y.B.B	CHECKED	
UNIT	M/M	SHEET NO.	1/2			CUSTOMER		APPROVED	



TAIWAN OASIS LED DATA SHEET

PART NO. : TOD-5261HMR-B

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
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 Segment	I _v	10384	11941	13499	ucd	I _F = 10mA	P
Luminous Intensity Per Segment	I _v	13500	15524	17549	ucd	I _F = 10mA	R
Luminous Intensity Per Segment	I _v	17550	21937	26325	ucd	I _F = 10mA	S
Dominat Emission Wavelength	λ _d		630		nm	I _F = 20mA	
Spectral Line Half-Width	Δλ		15		nm	I _F = 20mA	
Forward Voltage Per Segment	V _F	1.7	2.0	2.3	V	I _F = 20mA	
Reverse Current Per Segment	I _R			100	μA	V _R = 5V	
Luminous Intensity Matching Rate	I _v -m			2.0:1		I _F = 20mA	

DATE	07/13/06'	SCALE	_____	DRAWING NO.	S-5261HMR-B-A	DRAWN	Y.B.B	CHECKED	
UNIT	_____	SHEET NO.	2/2			CUSTOMER		APPROVED	