

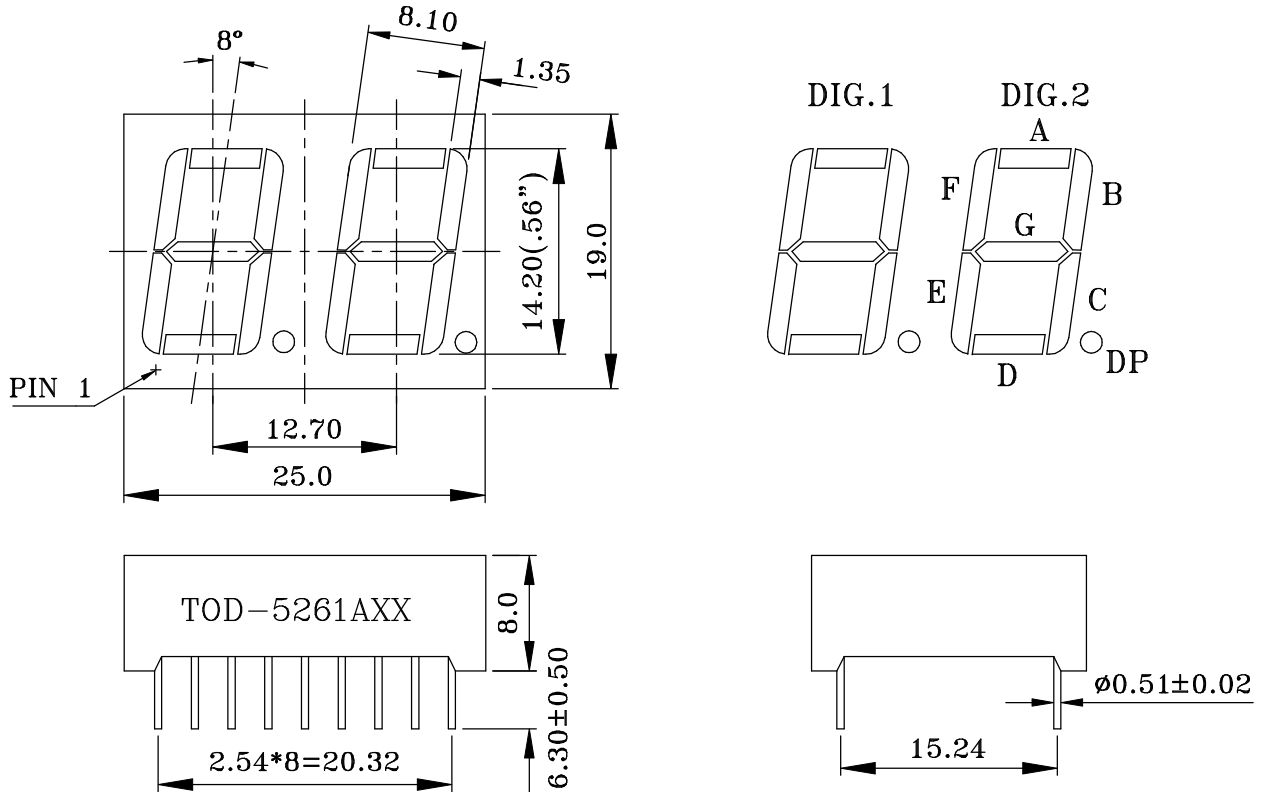


# TAIWAN OASIS LED DATA SHEET

PART NO. : TOD-5261AS-B

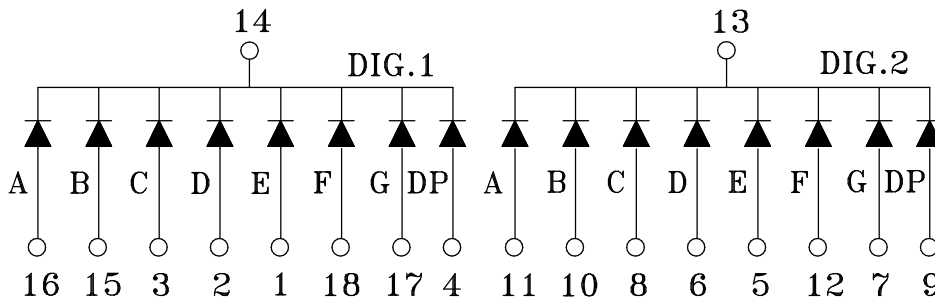
APPEARANCE			TECHNOLOGIE	GaAlAs/GaAs
FACE	SEGMENT	PIN	SOURCE COLOR	Super-Red
Black	White	∅0.51x10.28	DRIVER MODE	Com. Cathode
			PACKING	"ML" Plastic Box

## PACKAGE DIMENSIONS



NORMAL TOLERANCE: ±0.25      ANGLE: ±1°

## INTERNAL CIRCUIT DIAGRAM



DATE	05/05/03'	SCALE	2:1	DRAWING NO.	S-5261AS-B-A	DRAWN	Y.PENG	CHECKED	
UNIT	M/M	SHEET NO.	1/2			CUSTOMER		APPROVED	



# TAIWAN OASIS LED DATA SHEET

PART NO. : TOD-5261AS-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
Junction Temperature	+85	°C
Lead Sold Temperature(1/10 Inch Below Seating Plane)	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 <sub>v</sub>	7988	9185	10383	μcd	I <sub>F</sub> =10mA	N
Luminous Intensity Per Segment	I <sub>v</sub>	10384	11941	13499	μcd	I <sub>F</sub> =10mA	P
Luminous Intensity Per Segment	I <sub>v</sub>	13500	15524	17549	μcd	I <sub>F</sub> =10mA	R
Peak Emission Wavelength	λ <sub>P</sub>		660		nm	I <sub>F</sub> =20mA	
Spectral Line Half-Width	Δλ		20		nm	I <sub>F</sub> =20mA	
Forward Voltage Per Segment	V <sub>F</sub>	1.7	1.8	2.0	V	I <sub>F</sub> =20mA	
Reverse Current Per Segment	I <sub>R</sub>			20	μA	V <sub>R</sub> =5V	
Luminous Intensity Matching Rate	I <sub>v</sub> -m			1.5:1		I <sub>F</sub> =20mA	

Notes:Above specification may be changed without notice.

DATE	05/05/03'	SCALE	———	DRAWING NO.	S-5261AS-A	DRAWN	Y.PENG	CHECKED	
UNIT	M/M	SHEET NO.	2/2			CUSTOMER		APPROVED	