

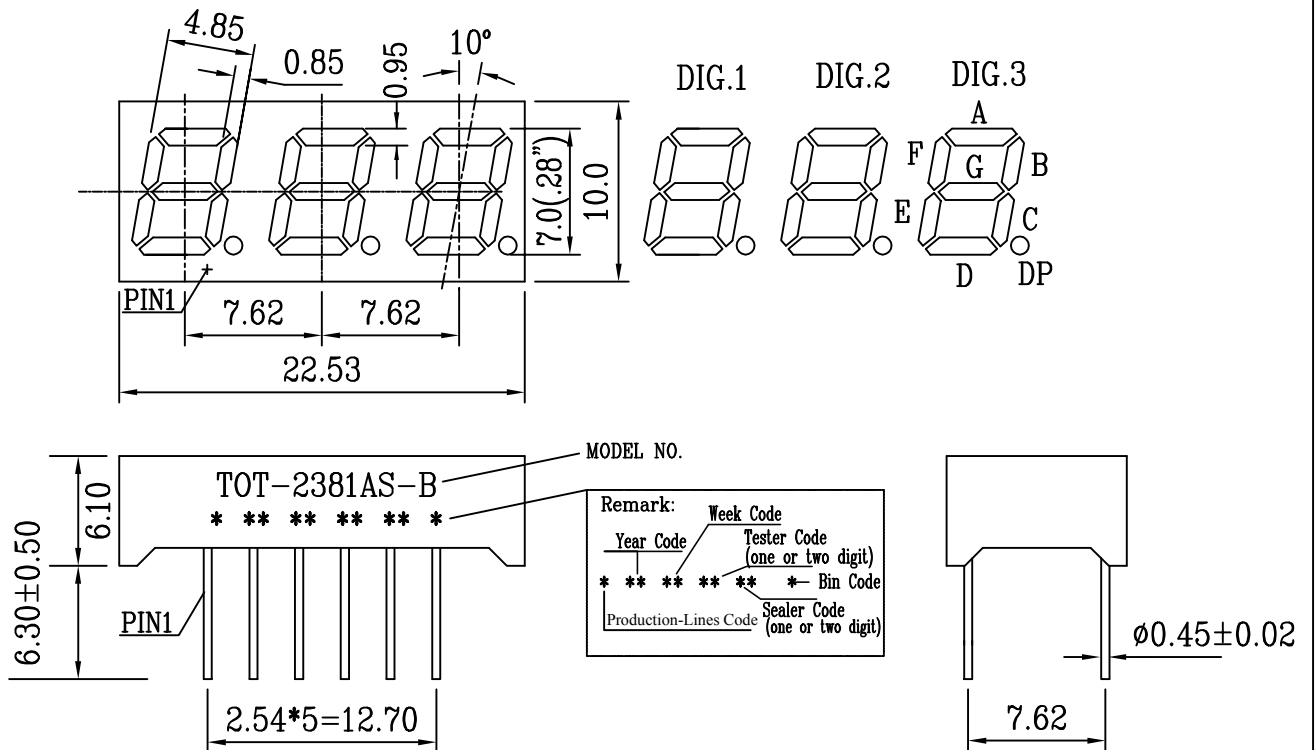


TAIWAN OASIS LED DATA SHEET

PART NO. : TOT-2381AS-B

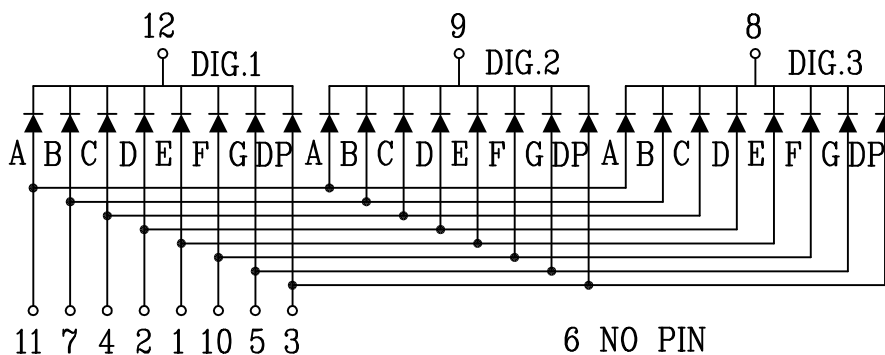
APPEARANCE			TECHNOLOGY	GaAlAs/GaAs
FACE	SEGMENT	PIN	SOURCE COLOR	Super-red
Black	White	∅0.45*10.28	DRIVER MODE	Com. Cathode
			PACKING	Tube(CR001)

PACKAGE DIMENSIONS



NORMAL TOLERANCE: ±0.25 ANGLE: ±1°

INTERNAL CIRCUIT DIAGRAM



DATE	10/05/06'	SCALE	2:1	DRAWING NO.	S-2381AS-B-A	DRAWN	Q.C.F/Y.B.B	CHECKED	
UNIT	M/M	SHEET NO.	1/2			CUSTOMER		APPROVED	



TAIWAN OASIS LED DATA SHEET

PART NO. : TOT-2381AS-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)	80	mA
Continuous Forward Current Per Segment	20	mA
Recommend Operting 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
Storage Time at 25±2°C / 65%RH±5%RH	6	Month
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	7988	9185	10383	μcd	I _F =10mA	N
Luminous Intensity Per Segment	I _v	10384	11941	13499	μcd	I _F =10mA	P
Luminous Intensity Per Segment	I _v	13500	15524	17549	μcd	I _F =10mA	R
Peak Emission Wavelength	λ _p		660		nm	I _F =20mA	
Spectral Line Half-Width	Δλ		20		nm	I _F =20mA	
Forward Voltage Per Segment	V _F	1.7	1.8	2.0	V	I _F =20mA	
Reverse Current Per Segment	I _R			20	μA	V _R =5V	
Luminous Intensity Matching Rate	I _v -m			1.5:1		I _F =20mA	

DATE	10/05/06'	SCALE	_____	DRAWING NO.	S-2381AS-B-A	DRAWN	Q.C.F/Y.B.B	CHECKED	
UNIT	_____	SHEET NO.	2/2			CUSTOMER		APPROVED	