

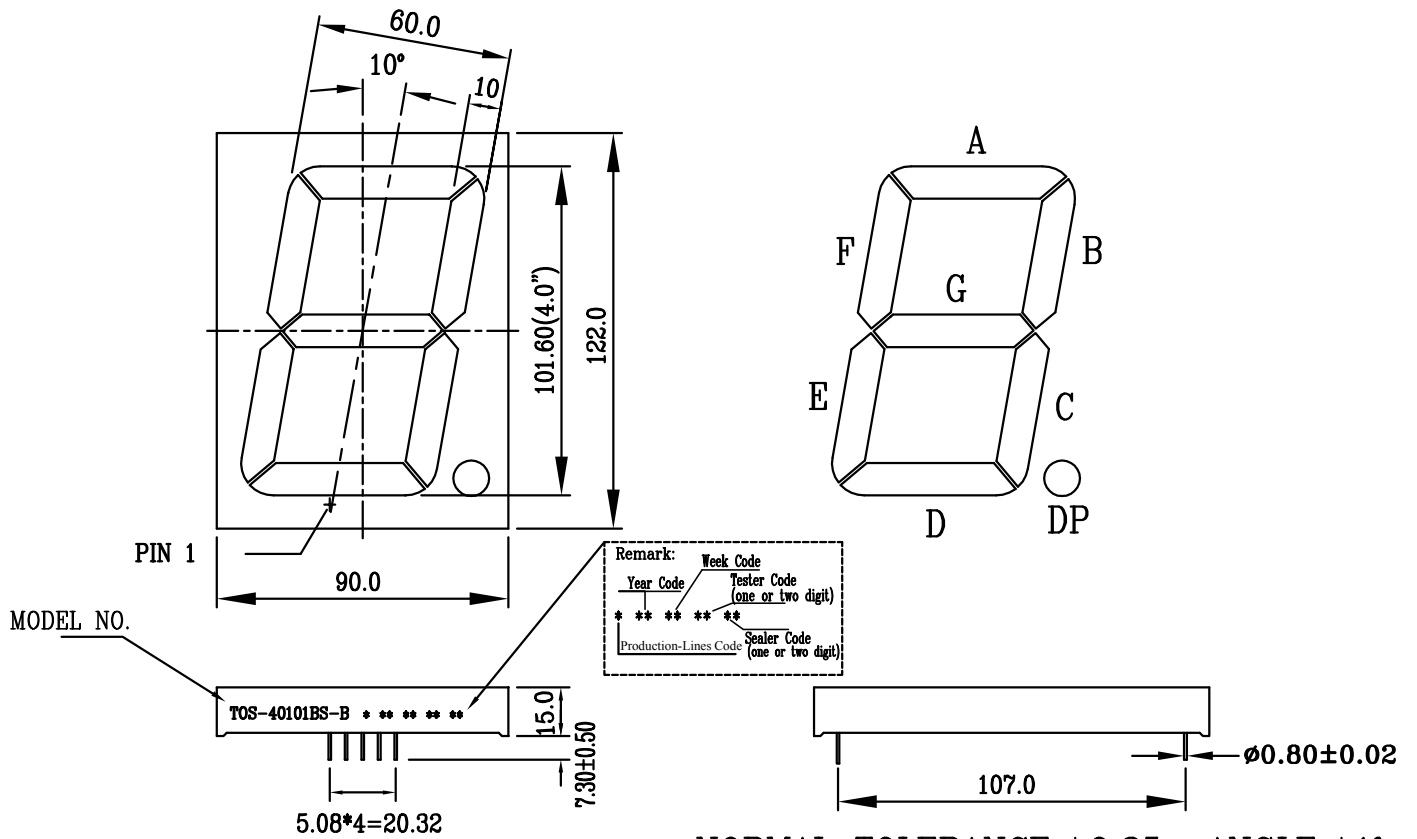


TAIWAN OASIS LED DATA SHEET

PART NO. : TOS-40101BS-B

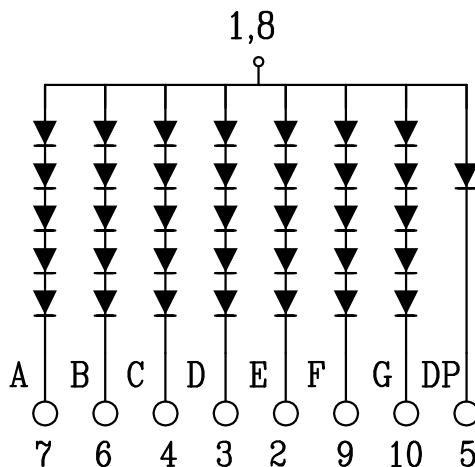
APPEARANCE			TECHNOLOGIE	GaAlAs/GaAs
FACE	SEGMENT	PIN	SOURCE COLOR	Super-Red
Black	White	∅0.80x12.8	DRIVER MODE	Com.Anode
			PACKING	Plastic Box

PACKAGE DIMENSIONS



NORMAL TOLERANCE:±0.25 ANGLE:±1°

INTERNAL CIRCUIT DIAGRAM



DATE	07/09/07'	SCALE	1.8:1	DRAWING NO.	S-40101BS-B-A	DRAWN	W.F.H	CHECKED	
UNIT	M/M	SHEET NO.	1/2			CUSTOMER	ES017	APPROVED	



TAIWAN OASIS LED DATA SHEET

PART NO. : TOS-40101BS-B

ABSOLUTE MAXIMUM RATINGS AT TA=25°C

PARAMETER	VALUE	UNITS
Power Dissipation Per Segment	280	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	25	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 Segment	I _v	4726	7066		μcd	I _F =10mA
Peak Emission Wavelength	λ _p		660		nm	I _F =20mA
Spectral Line Half-Width	Δλ		20		nm	I _F =20mA
Forward Voltage Per Segment (Except Dp)	V _F	8.5	9	10	V	I _F =20mA
Reverse Current Per Segment(Except DP)	I _R			20	μA	V _R =25V
Luminous Intensity Matching Rate	I _v -m			1.5:1		I _F =20mA

Notes: Above specification may be changed without notice.

DATE	07/09/07'	SCALE	———	DRAWING NO.	S-40101BS-B-A	DRAWN	W.F.H	CHECKED	
UNIT	———	SHEET NO.	2/2			CUSTOMER	ES017	APPROVED	