

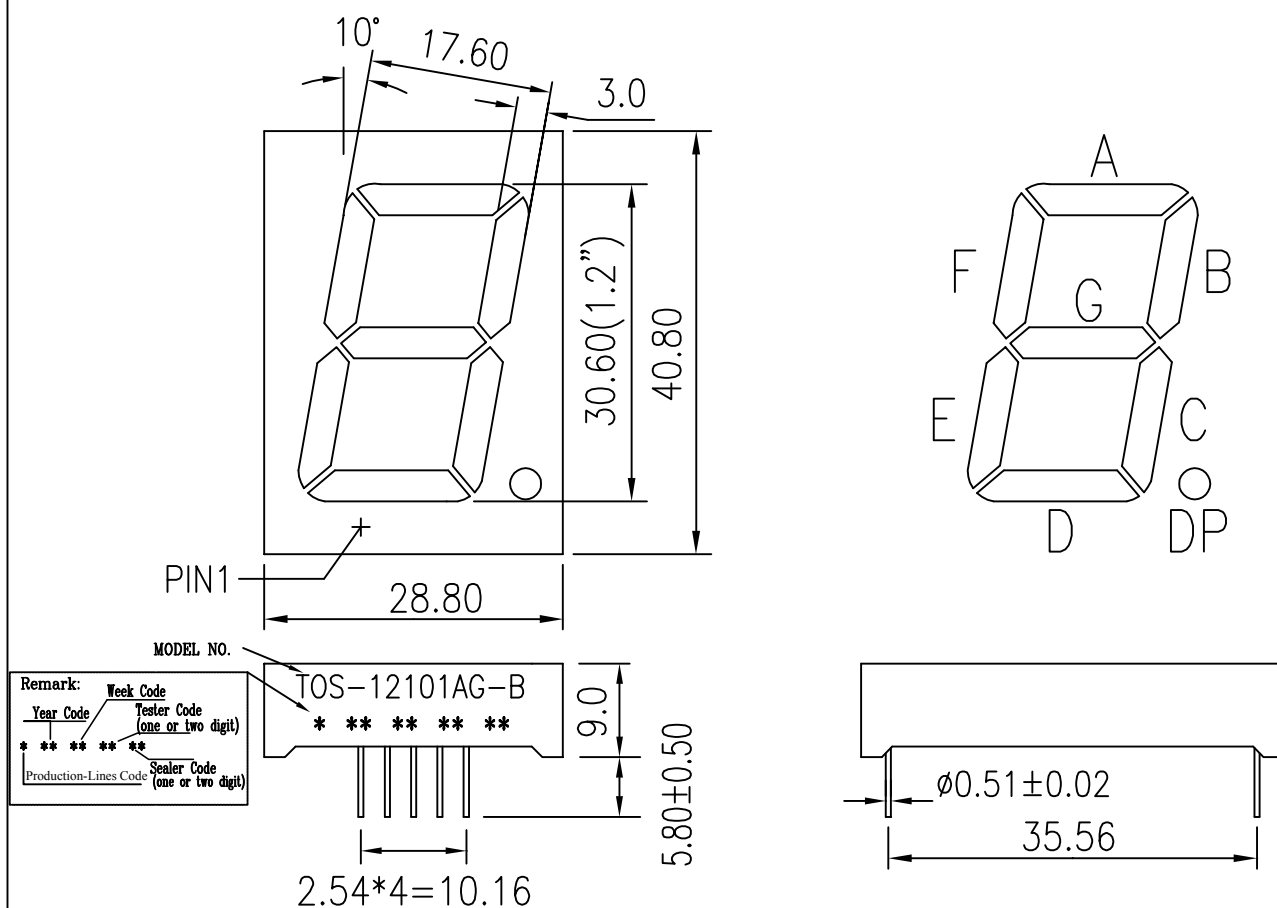


TAIWAN OASIS LED DATA SHEET

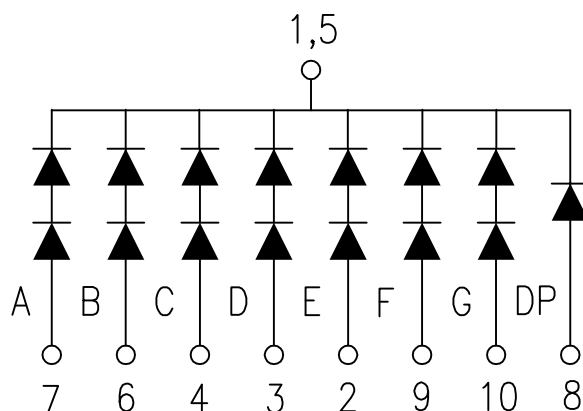
PART NO. : TOS-12101AG-B

APPEARANCE			TECHNOLOGY	GaP
FACE	SEGMENT	PIN	SOURCE COLOR	Green
Black	White	ø0.51x10.28	DRIVER MODE	Com. Cathode
			PACKING	TUBE(JOB-195)

PACKAGE DIMENSIONS



INTERNAL CIRCUIT DIAGRAM



DATE	07/10/07'	SCALE	1.4:1	TOLERANCE	±0.25 ANGLE ±1°	DRAWN	L.D.Y	CHECKED	
UNIT	M/M	SHEET NO.	1/2	DRAWING NO.	S-12101AG-B-A	CUSTOMER		APPROVED	



TAIWAN OASIS LED DATA SHEET

PART NO. : TOS-12101AG-B

ABSOLUTE MAXIMUM RATINGS AT TA=25°C

PARAMETER	VALUE	UNITS
Power Dissipation Per Segment (Except Dp)	120	mW
Peak Forward Current Per Segment (1/10 Duty Cycle, 0.1ms Pulse Width)	80	mA
Continuous Forward Current Per Segment (Except Dp)	20	mA
Recommend Operating Current (Except Dp)	12	mA
Reverse Voltage Per Segment (Except Dp)	10	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		570		nm	I _F =20mA
Spectral Line Half-Width	Δλ		30		nm	I _F =20mA
Forward Voltage Per Segment (Except Dp)	V _F	3.8	4.4	5.0	V	I _F =20mA
Reverse Current Per Segment	I _R			20	μA	V _R =10V
Luminous Intensity Matching Rate	I _v -m			1.5:1		I _F =20mA

DATE	07/10/07	SCALE	———	TOLERANCE	———	DRAWN	L.D.Y	CHECKED	
UNIT	———	SHEET NO.	2/2	DRAWING NO.	S-12101AG-B-A	CUSTOMER		APPROVED	