

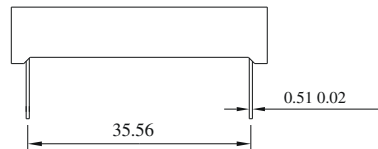
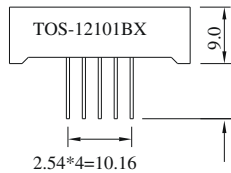
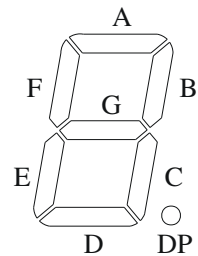
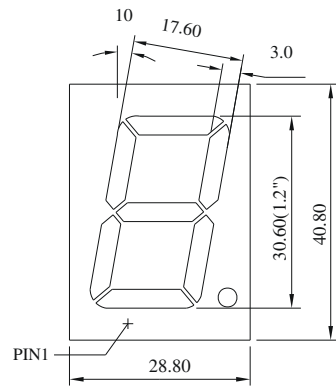


TAIWAN OASIS LED DATA SHEET

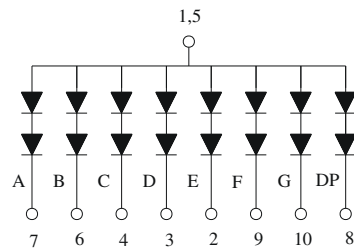
PART NO. : TOS-12101BS-B

APPEARANCE			TECHNOLOGIE	GaAlAs/GaAs
FACE	SEGMENT	PIN	SOURCE COLOR	Super-Red
Black	White	0.51x10.28	DRIVER MODE	Com. Anode
			PACKING	Styrene Foam

PACKAGE DIMENSIONS



INTERNAL CIRCUIT DIAGRAM



DATE	10/19/00'	SCALE	1.4:1	TOLERANCE	0.25 ANGLE 1	DRAWN	C.Y.L	CHECKED	
UNIT	M/M	SHEET NO.	1/2	DRAWING NO.	S-12101BS-B-A	CUSTOMER		APPROVED	



TAIWAN OASIS LED DATA SHEET

PART NO. : TOS-12101BS-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 Solder 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 _v	13500	15524	17549	μcd	I _F =10mA	R
Luminous Intensity Per Segment	I _v	17550	20182	22814	μcd	I _F =10mA	S
Luminous Intensity Per Segment	I _v	22815	26237	29659	μcd	I _F =10mA	T
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	3.4	3.6	4.0	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	10/19/00'	SCALE	———	TOLERANCE	———	DRAWN	C.Y.L	CHECKED	
UNIT	———	SHEET NO.	2/2	DRAWING NO.	S-12101BS-B-A	CUSTOMER		APPROVED	