



Snowdragon Industrial Co.,Ltd

DATA SHEET

Modern NO.: SD-3361AX-Green

ENG. NO.:13101802

Features:

- *0.36 inch (9.2 mm) DIGIT HEIGHT
- *CONTINUOUS UNIFORM SEGMENTS
- *LOW POWER REQUIREMENT
- *EXCELLENT CHARACTERS APPEARANCE
- *WIDE VIEWING ANGLE
- *SOLID STATE RELIABILITY

PREPARED BY	CHECKED BY	APPROVED BY
CUSTOMER APPROVED SIGNATURES		



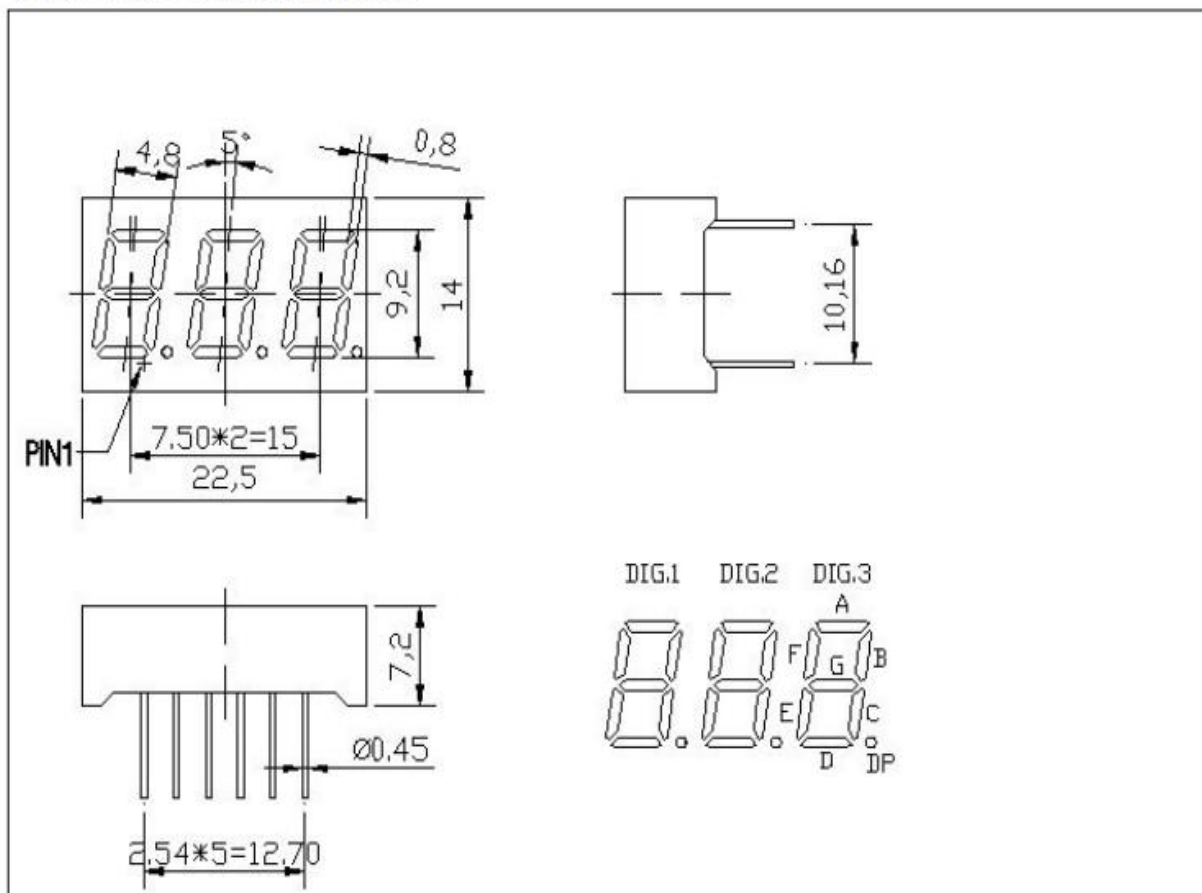
DESCRIPTION

- *The 0.36 inch (9.2mm) digit height 3 digit seven-segment icon display.
- *The device is single-color (green) applicable display.
- *The device has a black face and white segments.

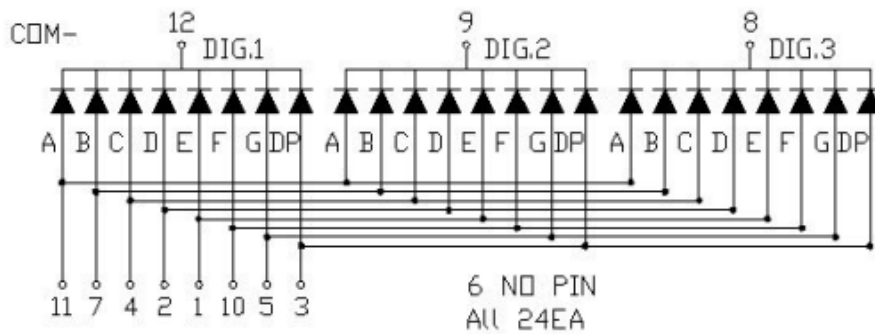
DEVICE

PART NO.	DESCRIPTION
GREEN	Multiplex Common Cathode
SD-3361 AX	

PACKAGE DIMENSIONS



INTERNAL CIRCUIT DIAGRAM



NOTES: All dimensions are in millimeters. Tolerances are $\pm 0.25\text{mm}$ unless otherwise noted.

ABSOLUTE MAXIMUM RATING

PARAMETER	SYMBOL	green	UNIT
Power Dissipation Per Chip	P_d	87	mW
Peak Forward Current Per Chip (Frequency 1Khz, 10% duty cycle)	I_{fp}	100	mA
Continuous Forward Current Per Chip Derating Linear From 25°C Per Chip	I_f	25	mA
		0.33	mA/°C
Reverse Voltage Per Chip	V_R	5	V
Operating Temperature Range	T_A	-25°C to +85°C	
Storage Temperature Range	T_{stg}	-25°C to +85°C	

Solder Temperature: max 260°C for max 3 sec at 1.6mm below seating plane

*see figure 5 to establish pulsed condition

ELECTRICAL/OPTICAL CHARACTERISTICS AT $T_a=25^\circ\text{C}$

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	TEST CONDITION
Average luminous intensity per segment	green IV	/	/	/	mcd	$I_f=10\text{mA}$
		290	/	310		
Dominant wavelength	green λ_d	/	/	/	nm	$I_f=20\text{mA}$
		520	/	525		
Spectral line half-width	green $\Delta\lambda$	20			Nm	$I_f=20\text{mA}$
		/	/	/		
Forward voltage per chip	green V_f	/	/	/	V	$I_f=20\text{mA}$
		/	3.0	3.5		
Reverse current per chip	I_r	10			uA	$V_r=5\text{v}$
Luminous intensity matching ratio	iv-m	2:1				$I_f=10\text{mA}$

Note: Luminous intensity is measured with a light sensor and filter combination that approximates the CIE (Commission Internationale De L'Eclairage) eye-response curve.

