

LED Display

Product Data Sheet

IE-10-10305U

FEATURES

0.30 inch (7.62mm) Digit Height
Low Power Requirement
High Brightness and High Contrast
Excellent Characters Appearance
IC Compatible , Easy Assembly
RoHS Compliant

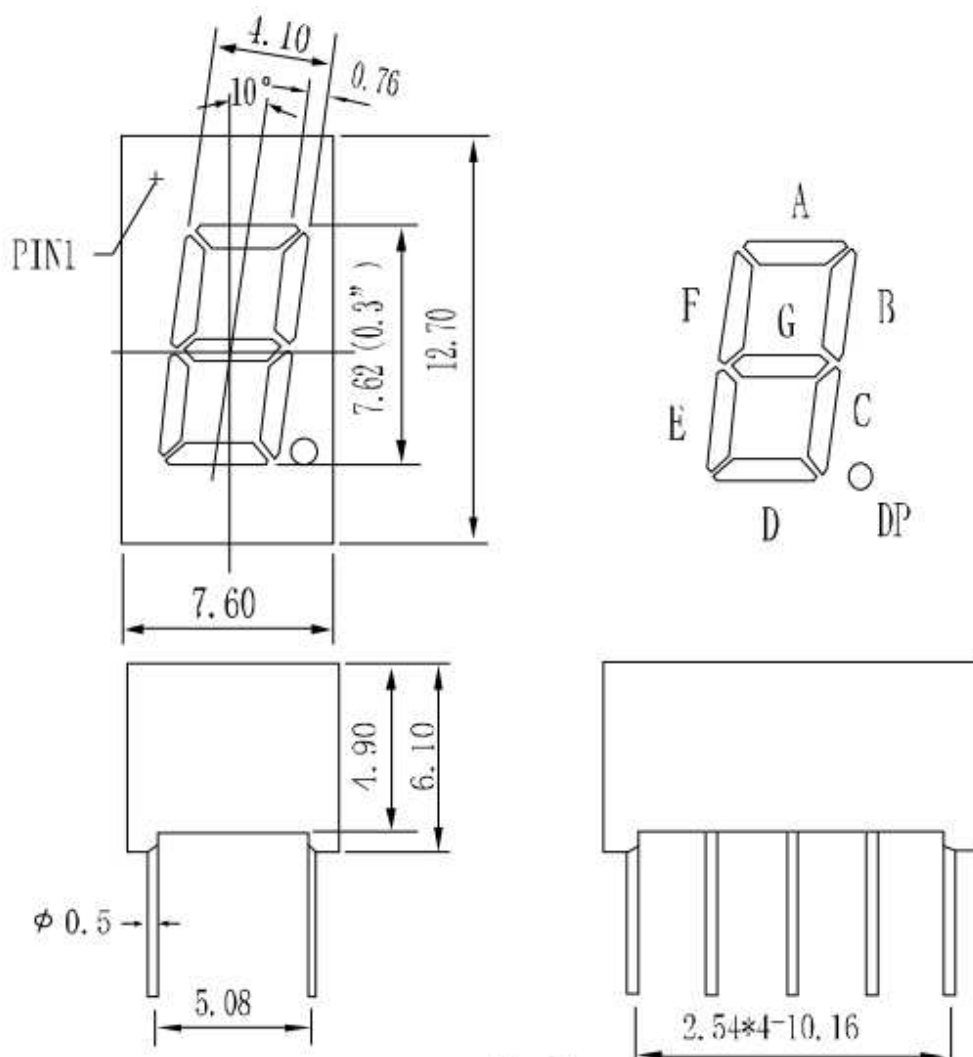
DESCRIPTION

This is a 0.30 inch (7.62mm) digit height single digit seven segment LED display. This device utilizes amber LED chips, which are made from AlGaInP, and has a black face and white segments.

DEVICE

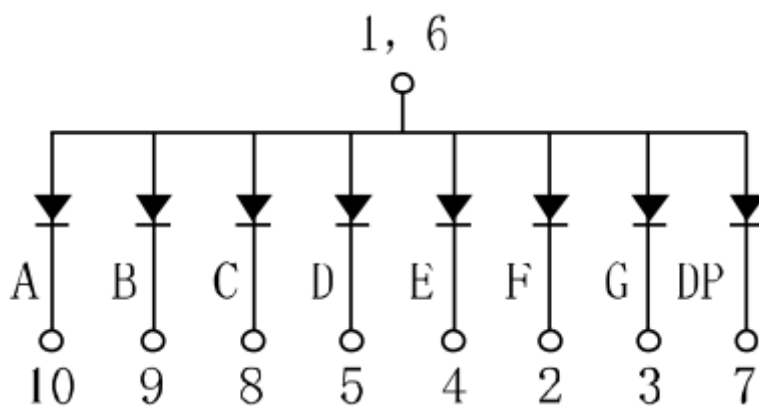
Amber	Description
SM310305U	Common Anode, Right Hand Decimal
Total 8 LED Chips	

PACKAGE DIMENSIONS



NOTES: All dimensions are in millimeters (inches). Tolerance is ± 0.25 (0.010") unless otherwise specified.

INTERNAL CIRCUIT DIAGRAM



PIN NO.	CONNECTION
1	COMMON ANODE
2	CATHODE F
3	CATHODE G
4	CATHODE E
5	CATHODE D
6	COMMON ANODE
7	CATHODE DP
8	CATHODE C
9	CATHODE B
10	CATHODE A

PARAMETER	SYMBOL	AlGaInP AMBER	UNIT
Power Dissipation Per Segment	PAD	60	mw
Reverse Voltage Per Segment	VR	5	V
Continuous Forward Current Per Segment	IAF	25	mA
Peak Forward Current Per Segment(Duty-0.1,1KHz)	IPF	80	mA
Operating Temperature Range	TOPr	-20℃ to 80℃	
Storage Temperature Range	Tstg	-30℃ to 85℃	
Lead Soldering Temperature 260℃ at 1.6mm From Body for 3 second			

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
Forward Voltage, Per Segment	VF	IF=20mA	1.9	2.0	2.5	V
Reverse Current, Per Segment	IR	VR=5V			50	μA
Peak Emission Wavelength	λp	IF=20mA	600	603	606	nm
Luminous Intensity Per Segment	IV	IF=10mA	50	60	70	mcd
		IF=20mA	100	120	140	

TYPICAL ELECTRICAL / OPTICAL CHARACTERISTIC CURVES @ TA = 25°C

