0.56"(14.2mm)Single Digit 7 Segment Display

Features:

*Ultra segment intensity
*Wide viewing angle
*Range of colors
*Gray face White segment
*RoHS compliant

Available option:

*Alternative face and segment color
*Alternative font
*Cropped terminal pins
*Available emitting color
*Low current version

Electro/Optical Characteristics If=20mA Ta=25℃

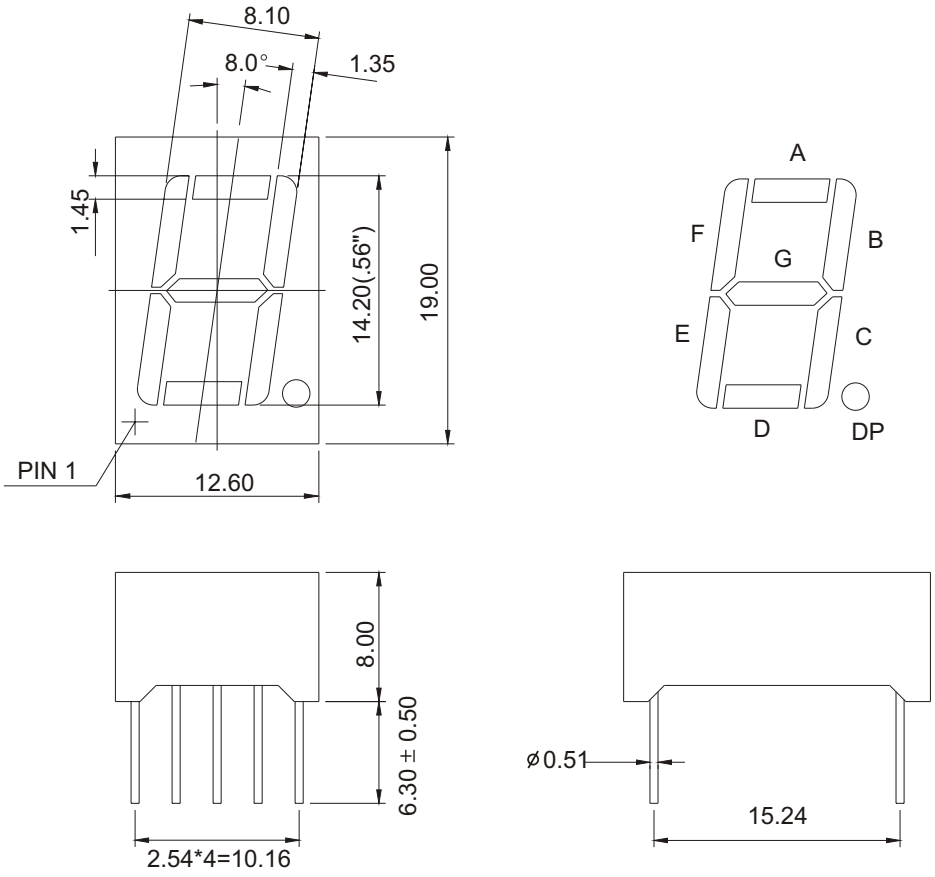
Part Number Common Cathode	Part Number Common Anode	Emitting Color	Peak Wavelength	Forward Voltage V_F/Seg.		Luminous Intensity Iv/Seg.	
				Typ.	Max.	Min.	Typ.
LD-S056UR-CC	LD-S056UR-C	GaAlAs/GaAs DDH Ultra Red	660	1.90	2.50	30.00	50.00
LD-S056UO-CC	LD-S056UO-C	AlGaInP/GaAs Ultra Orange	632	2.00	2.50	40.00	60.00
LD-S056UA-CC	LD-S056UA-C	AlGaInP/GaAs Ultra Amber	605	2.00	2.50	40.00	60.00
LD-S056UY-CC	LD-S056UY-C	AlGaInP/GaAs Ultra Yellow	590	2.00	2.50	40.00	60.00
LD-S056UG-CC	LD-S056UG-C	AlGaInP/GaAs Ultra Green	574	2.10	2.50	25.00	40.00
LD-S056UPG-CC	LD-S056UPG-C	InGaN/SiC Pure Green	525	3.50	4.00	50.00	80.00
LD-S056UB-CC	LD-S056UB-C	InGaN/SiC Ultra Blue	470	3.50	4.00	40.00	60.00
LD-S056UW-CC	LD-S056UW-C	InGaN/SiC Ultra White	X-0.31/Y-0.31	3.50	4.00	40.00	60.00
Units			nm	V		mcd	

Maximum Ratings Ta=25℃ (Derate above 25℃)

Characteristic	Test Condition	Symbol	UR	UE	YO	UY	UG	PG	UB	UW	Units
Pulse Forward Current Per Seg.	1/10 duty cycle 0.1ms Pulse width	I_{FP}	100	100	100	100	100	100	100	100	mA
DC Forward Current Per Seg.		I_F	25	30	30	30	30	30	30	30	mA
Reverse Current Per Seg.	V_R=5V	I_R	10	10	10	10	10	10	10	10	μA
Power Dissipation		P_D	60*8	65*8	65*8	65*8	75*8	110*8	120*8	120*8	mW
Operating Temperature		T_{OPR}	-40 to +80								℃
Storage Temperature		T_{TSG}	-40 to +85								℃
Lead soldering temperature	1.60mm from body maximum 3 seconds		260								℃

0.56"(14.20mm)Single Digit 7 Segment Display

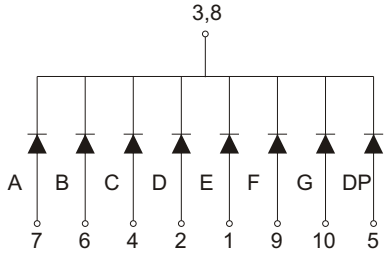
PACKAGE DIMENSION



INTERNAL CIRCUIT DIAGRAM

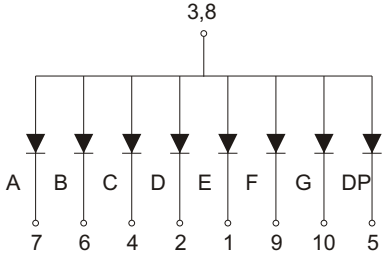
Common Cathode

LD-S056XX-CC



Common Anode

LD-S056XX-C



Tolerance ±0.25mm unless stated