0.28"(7.00mm)Single Digit 7 Segment Display

Features:

*High 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℃

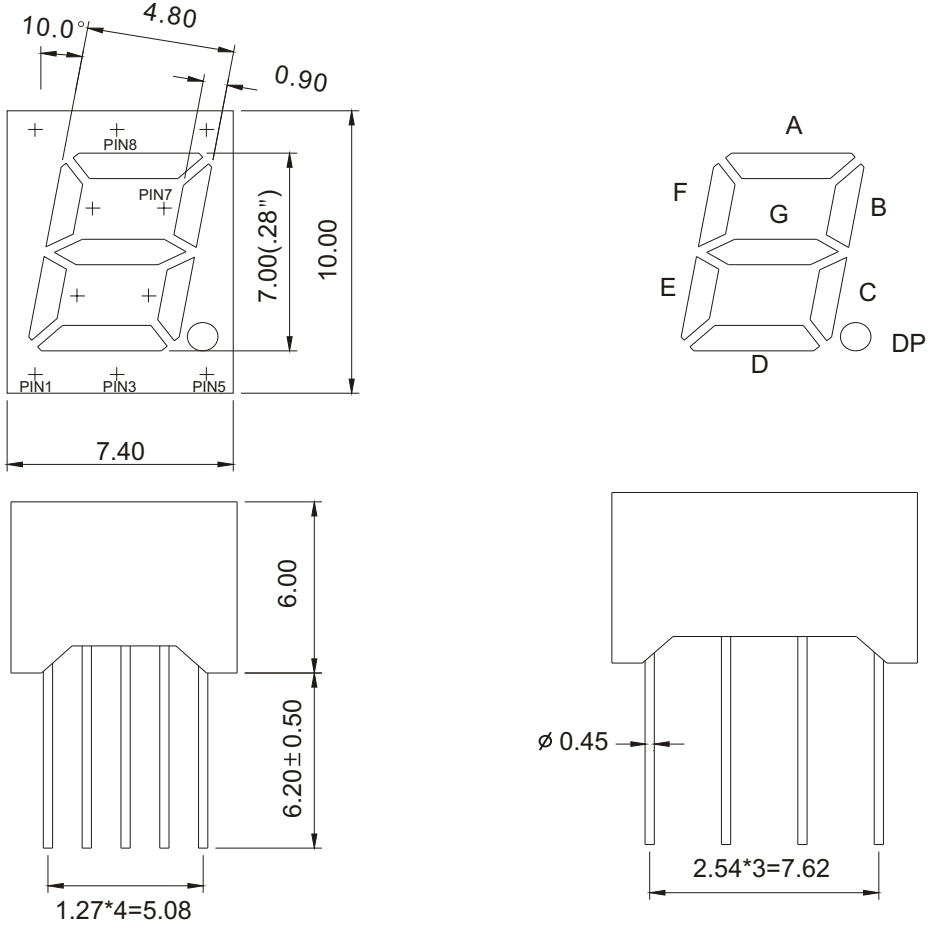
Part Number Common Cathode	Part Number Common Anode	Emitting Color	Peak Wavelength	Forward Voltage V_F/Seg.		Luminous Intensity Iv/Seg.	
				Typ.	Max.	Min.	Typ.
LD-S028R-CC	LD-S028R-C	GaP/GaP Red	700	2.25	2.50	0.40	0.80
LD-S028HR-CC	LD-S028HR-C	GaAlAs/GaAs SH Hi-Red	660	1.80	2.20	8.00	12.00
LD-S028SR-CC	LD-S028SR-C	GaAlAs/GaAs DH Super Red	660	1.80	2.20	22.00	28.00
LD-S028O-CC	LD-S028O-C	GaAsP/GaP Orange	632	2.10	2.50	8.00	12.00
LD-S028Y-CC	LD-S028Y-C	GaAsP/GaP Yellow	585	2.10	2.50	4.00	7.00
LD-S028G-CC	LD-S028G-C	GaP/GaP Green	568	2.20	2.50	7.00	11.00
Units			nm	V		mcd	

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

Characteristic	Test Condition	Symbol	H	S	D	E	Y	G	Units
Pulse Forward Current Per Seg.	1/10 duty cycle 0.1ms Pulse width	I_{FP}	50	100	100	100	100	100	mA
DC Forward Current Per Seg.		I_F	15	25	25	30	30	30	mA
Reverse Current Per Seg.	V_R=5V	I_R	10	10	10	10	10	10	μA
Power Dissipation		P_D	40*8	60*8	60*8	80*8	80*8	80*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						℃

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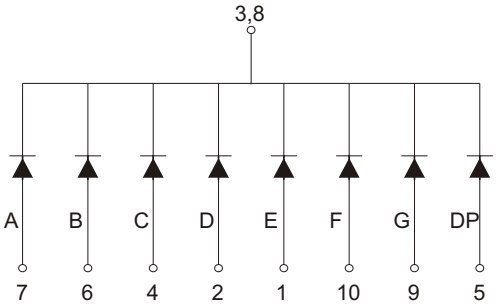
PACKAGE DIMENSION



INTERNAL CIRCUIT DIAGRAM

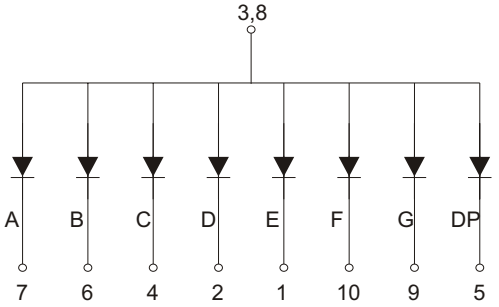
Common Cathode

LD-S028X-CC



Common Anode

LD-S028X-C



Tolerance ±0.25mm unless stated