

14.2mm Single Digit Displays

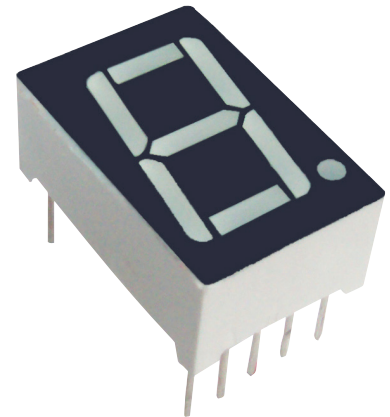
OSL10561-IX (Common Anode type)
OSL10561-LX (Common Cathode type)

Features:

- 0.56 Inch single digit display
- Long lifetime operation
- IC compatible
- Low power dissipation

Applications

- Counting device
- Clock



Absolute maximum rating

Item	Symbol	Value		Unit
		RA/R/YG/Y	B/G	
DC forward current	I_F	20	20	mA
Pulse forward current*	I_{FP}	100	100	mA
Reverse voltage	V_R	5	5	V
Power dissipation	P_t	44	66	mW
Operating temperature	T_{opr}	-30 to +70		°C
Storage temperature	T_{stg}	-40 to +85		°C
Lead soldering temperature (1.6mm from seating plane)	T_{sol}	260°C		-

*Pulse width max. 10ms. Duty ratio max. 1/10

Electrical – Optical characteristics

Order code Common anode	Order code Common cathode	MPN	Colour		V_F (V)			I_R (μ A)	I_V (mcd)			λ_D (nm)		
					Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.
					$I_F=20mA$			$I_R=5V$	$I_F=20mA$					
57-0143	57-0141	OSL10561-IW(LW)	White	W	-	3.3	4.0	20	-	65	-	X=0.30	Y=0.34	-
57-0138	57-0137	OSL10561-IB(LB)	Blue	B	-	3.3	4.0	20	-	50	-	-	470	-
	57-0131	OSL10561-IG(LG)	Pure Green	G	-	3.3	4.0	20	-	200	-	-	525	-
57-0136	57-0133	OSL10561-IY(LY)	Yellow	Y	-	2.1	2.5	20	-	60	-	-	590	-
57-0126	57-0121	OSL10561-IR(LR)	Red	R	-	2.1	2.5	20	-	20	-	-	630	-
57-0128	57-0123	OSL10561-IRA(LRA)	High Red	RA	-	2.1	2.5	20	-	100	-	-	625	-

* Tolerance of dominant wavelength is 1nm
† Tolerance of luminous intensity is 15%

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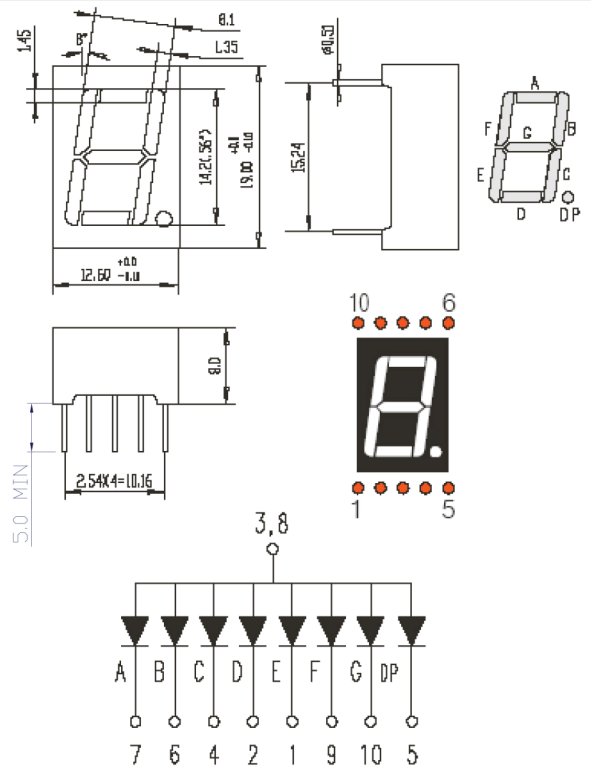
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■ Package dimensions and pin function:

OSL10561-IX (Common Anode type)

Note:

- 1: Unit: mm (tolerance $\pm 0.25\text{mm}$ unless otherwise noted)
- 2: The slope angle of any PIN may be ± 5.0 max.



OSL10561-LX (Common Cathode type)

Note:

- 1: Unit: mm (tolerance $\pm 0.25\text{mm}$ unless otherwise noted)
- 2: The slope angle of any PIN may be ± 5.0 max.

