



Smart Home + Security Solutions

Infinite Design Possibilities ∞



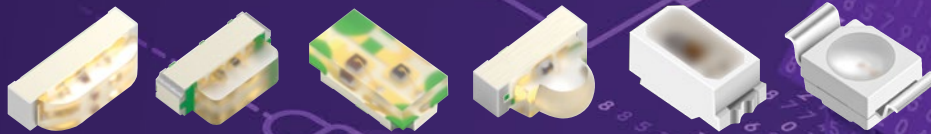
www.SunLEDusa.com

IATF16949 Automotive • ISO 9001 Quality • ISO 14001 Environmental



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Infinite Design Possibilities ∞

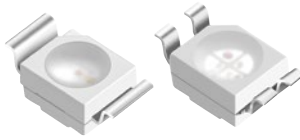


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RoHS Compliant

REVERSE-MOUNT PLCC

XZxx45X-9 & XZMDKCBDDG45S-9



Features:

- 3.2 x 2.8 x 1.9mm PLCC
- High-Intensity Output
- Wide Viewing Angle: 120°
- MSL: 3
- Reverse-Mount Package

Applications:

- Consumer Electronics
- Icon and Text Backlighting
- Home Automation / IoT
- Safety & Security
- White Goods



Part Number	λ_{Peak} (nm)	Min. (mcd)	Typ. (mcd)	I_F (mA)	Viewing Angle	Package Dimension
XZMDK45WT-9	◆ 645	55	98	20	120°	<p>Technical drawing showing top and side views of the PLCC package. Dimensions include: 3.2(0.126) total width, 2.4(0.094) mounting hole diameter, 2.2(0.087) and 2.8(0.11) lead widths, 0.2(0.008) lead thickness, 0.8(0.031)±0.1 lead height, 1.9(0.075) lead length, 5.2(0.205) total length, and 0.15(0.006)±0.05 lead width. Polarity marks and a 4°±1 lead angle are also indicated.</p>
XZM2CRK45WT-9	◆ 640	300	447	20	120°	
XZMYK45WT-9	◆ 590	120	248	20	120°	
XZM2CYK45WT-9	◆ 590	200	447	20	120°	
XZVG45WT-9	◆ 574	40	98	20	120°	
XZYG45WT-9HTA	◆ 560	12	34	20	120°	
XZDGK45WT-9	◆ 515	500	995	20	120°	
XZM2DG45WT-9	◆ 520	1000	1395	20	120°	
XZFBB45S-9	◆ 465	300	447	20	120°	
XZMDKVG45WT-9	◆ 645	55	98	20	120°	
	◆ 574	40	79			
XZMYKVG45WT-9	◆ 590	120	23	20	120°	
	◆ 574	40	79			
XZMDKCBDDG45S-9	◆ 645	55	108	20	120°	
	◆ 460	55	98			
	◆ 515	400	497			



0603 PLCC2 SMD LED

XZxx53S-4 Series

Smart Home + Security Solutions



Features:

- 1.6 x 0.8 x 0.55mm PLCC
- Increased Luminous Intensity
- Wide Viewing Angle: 120°
- MSL: 3

Applications:

- Home Automation / IoT
- White Goods
- Consumer Electronics
- Safety & Security

Part Number	λ_{Peak} (nm)	Min. (mcd)	Typ. (mcd)	I_F (mA)	Viewing Angle	Package Dimension
XZMDK53S-4	645	40	158	20	120°	
XZMYK53S-4	590	55	238	20	120°	
XZVG53S-4	574	12	74	20	120°	
XZFBA53S10MAV-4	463	50	158	10	120°	

DOME LENS RA

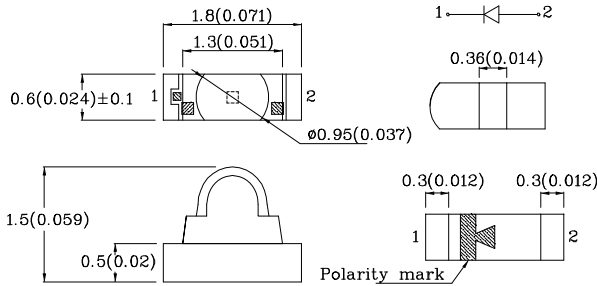
XZxx168W Series



Features

- 1.8 x 0.6 x 1.5mm
- High Intensity
- Side Emitting
- Narrow Viewing Angle

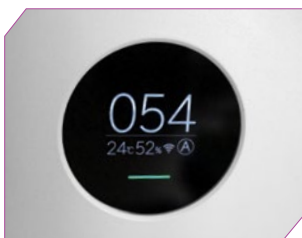
Package Dimension



Part Number	λ_{Peak} (nm)	Min. (mcd)	Typ. (mcd)	I_F (mA)	Viewing Angle
XZMDK168W	645	500	1195	20	25°
XZM2CRK168WA	640	1300	2590	20	25°
XZMOK168W	610	500	1095	20	25°
XZMYK168W	590	500	1095	20	25°
XZM2CYK168WA	590	700	1790	20	25°
XZVG168W	574	120	397	20	25°
XZDGK168W	515	1900	3190	20	25°
XZFB168W	465	400	795	20	25°

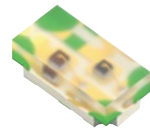
Product Applications

- Safety & Security
- Icon and Text Backlighting
- White Goods
- Home Automation / IoT



BI-COLOR 0603

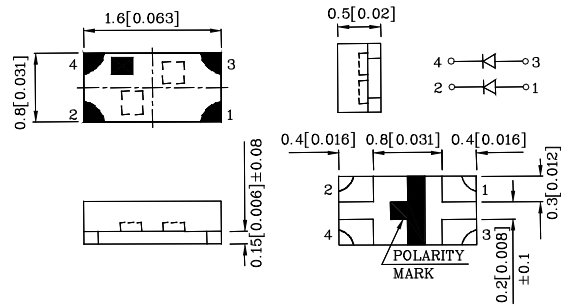
XZxxxx53W-9 Series



Features

- 1.6 x 0.8 x 0.5mm
- Dual Color Package
- Compact Footprint
- Wide Viewing Angle

Package Dimension



Part Number	λ_{Peak} (nm)	Min. (mcd)	Typ. (mcd)	I_F (mA)	Viewing Angle
XZMYKMDK53W-9	590	80	148	20	130°
	645	40	89		
XZDGKMDK53W-9	515	200	347	20	130°
	645	40	89		
XZVGMK53W-9	574	20	49	20	130°
	590	80	148		
XZVGM53W-9	574	20	49	20	130°
	645	40	89		
XZCBMDK53W-9	460	40	69	20	130°
	645	40	89		
XZCBDMYK53W-9	460	40	69	20	130°
	590	80	148		
XZCBV53W-9	468	40	69	20	130°
	574	20	49		

Product Applications

- Status Indicator
- Home Automation / IoT
- Safety & Security
- White Goods



* Luminous intensity values and wavelengths are in accordance with CIE127-2007 standards.

BI-COLOR RT. ANGLE

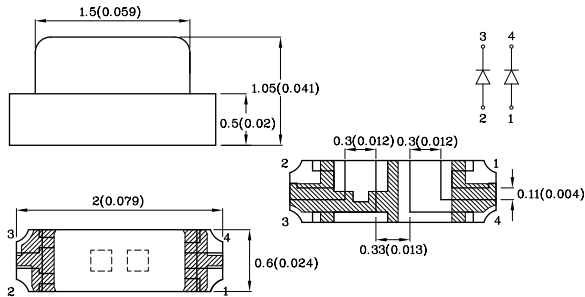
XZxx170W Series



Features

- 2.0 x 0.6 x 1.05mm
- IF=20mA, 5mA
- Wide Viewing Angle: 140°
- MSL: 3

Package Dimension



Part Number	λ_{Peak} (nm)	Min. (mcd)	Typ. (mcd)	I_F (mA)	Viewing Angle
XZMDKDGK170W	♦ 645	20	79	20	140°
	♦ 515	100	447		
XZMDKFBB170W5MA	♦ 645	6	19	5	140°
	♦ 465	20	49		
XZMDKMYK170W	♦ 645	20	79	20	140°
	♦ 590	40	98		
XZMDKVG170W	♦ 645	20	79	20	140°
	♦ 574	8	39		
XZMYKVG170W	♦ 590	40	98	20	140°
	♦ 574	8	39		

Product Applications

- Icon and Text Backlighting
- Handheld Products
- Home Automation / IoT
- Safety and Security



MULTICOLOR RT. ANGLE

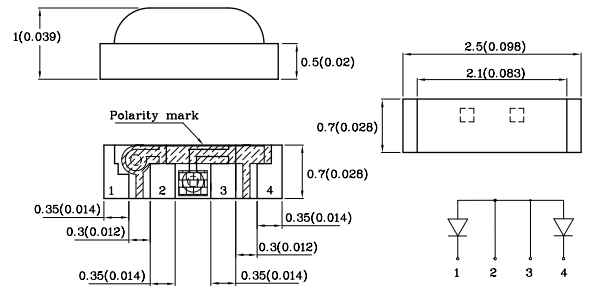
XZxx161W Series



Features

- 2.5 x 0.7 x 1.0mm
- Wide Viewing Angle: 130°
- Ultra Low Current Options
- MSL: 3

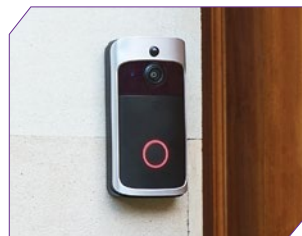
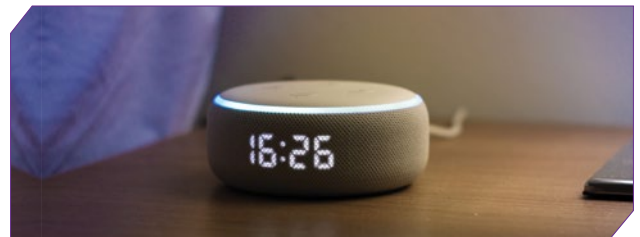
Package Dimension



Part Number	λ_{Peak} (nm)	Min. (mcd)	Typ. (mcd)	I_F (mA)	Viewing Angle
XZCBDXMDK161W	♦ 460	40	64	20	130°
	♦ 645	55	79		
XZCBDXMYK161W	♦ 460	40	64	20	130°
	♦ 590	80	128		
XZCCBDMEDGK161W	♦ 460	4	9	2	130°
	♦ 630	6	9		
	♦ 515	20	59		
XZM2CRKXDGK161WCC	♦ 640	200	397	20	130°
	♦ 515	300	497		
XZM2CYXDGK161WCC	♦ 590	120	297	20	130°
	♦ 515	400	547		
XZMEKXMYK161W	♦ 630	20	39	20	130°
	♦ 590	80	128		

Product Applications

- Home Charging Station
- Handheld Products
- Icon and Text Backlighting
- Safety and Security



* Luminous intensity values and wavelengths are in accordance with CIE127-2007 standards.