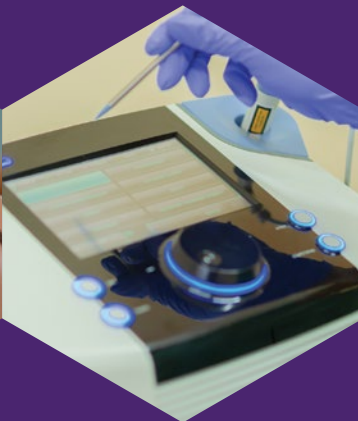




# Healthcare Solutions

*Infinite Design Possibilities* ∞



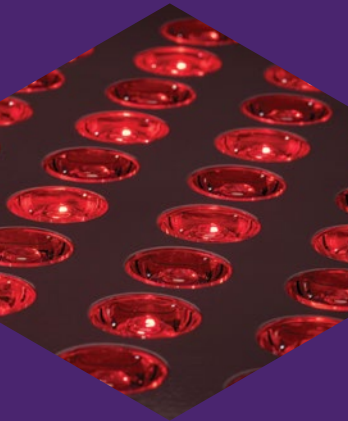
[www.SunLEDusa.com](http://www.SunLEDusa.com)

IATF16949 Automotive • ISO 9001 Quality • ISO 14001 Environmental



# Healthcare Solutions

*Infinite Design Possibilities* ∞

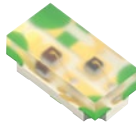


**SunLED Company, LLC** 4010 Valley Blvd. #100, Walnut, CA 91789-0935 USA  
Telephone: 909 594-6000 Email: [sales@SunLEDusa.com](mailto:sales@SunLEDusa.com) Website: [www.SunLEDusa.com](http://www.SunLEDusa.com)





RoHS Compliant 

# 0603 BI-COLOR SMD LED





XZxxxx53W-9 Series



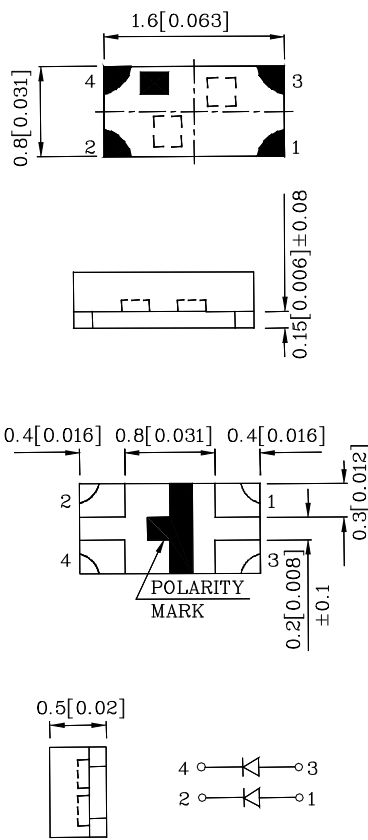
## Features:

-  1.6 x 0.8 x 0.5mm
-  Bicolor Configuration
-  Wide Viewing Angle: 130°
-  MSL: 3

## Applications:

-  Medical and Healthcare
-  IoT / Robotics
-  Wearable Devices
-  Instrumentation



Part Number	$\lambda_{Peak}$ (nm)	Min. (mcd)	Typ. (mcd)	$I_F$ (mA)	Viewing Angle	Package Dimension
XZVGMKY53W-9	◆ 574	20	49	20	130°	 <p>Top view dimensions: 1.6 [0.063] (total width), 0.8 [0.031] (total height), 4 (left pad), 3 (right pad), 2 (bottom pad), 1 (top pad).</p> <p>Side view dimensions: 0.15 [0.006] ± 0.08 (height), ± 0.1 (tolerance).</p> <p>Front view dimensions: 0.4 [0.016] (pad width), 0.8 [0.031] (die width), 0.4 [0.016] (pad width), 0.3 [0.012] (die height), 0.2 [0.008] ± 0.1 (tolerance).</p> <p>Bottom view dimensions: 0.5 [0.02] (total width).</p> <p>Pinout diagram: 4 and 2 on the left, 3 and 1 on the right.</p>
	◆ 590	80	118			
XZVGMKD53W-9	◆ 574	20	49	20	130°	
	◆ 645	40	89			
XZCBDMKY53W-9	◆ 460	40	69	2	130°	
	◆ 590	80	148			
XZDGKMDK53W-9	◆ 515	200	347	20	130°	
	◆ 645	40	89			
XZCBDMDK53W-9	◆ 460	40	69	20	130°	
	◆ 645	40	89			
XZMYKMDK53W-9	◆ 590	80	148	20	130°	
	◆ 645	40	89			



# DOME LENS RT. ANGLE






XZxx168W Series



## Healthcare Solutions



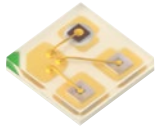
### Features:

-  1.8 x 0.6 x 1.5mm
-  High Intensity
-  Side Emitting
-  Narrow Viewing Angle
-  MSL: 3

### Applications:

-  Medical and Healthcare
-  Safety and Security
-  Wearables Devices
-  Consumer Devices

Part Number	$\lambda_{Peak}$ (nm)	Min. (mcd)	Typ. (mcd)	$I_F$ (mA)	Viewing Angle	Package Dimension
XZMDK168W	645	500	1195	20	25°	<p>Technical drawings showing dimensions: 1.8(0.071), 1.3(0.051), 0.6(0.024)±0.1, 0.95(0.037), 1.5(0.059), 0.5(0.02), 0.3(0.012), 0.3(0.012), 0.36(0.014). Polarity mark is indicated.</p>
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°	
XZCBD168W	460	120	317	20	25°	
XZFBB168W	465	400	795	20	25°	



# UNIQUE 0404 RGB SMD

XZDGCBDMERK150W-1

## Features

1.0 x 1.0 x 0.25mm

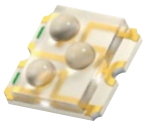
Full Color RGB

Wide Viewing Angle: 150°

MSL: 3

Part Number	$\lambda_{Peak}$ (nm)	Min. (mcd)	Typ. (mcd)	$I_F$ (mA)	Viewing Angle	Package Dimension
XZDGCBDMERK150W-1	◆ 515	80	218	5	150°	
	◆ 460	10	22			
	◆ 632	15	29			

**Product Applications** Medical and Healthcare IoT / Robotics Wearable Devices Icon and Text Backlighting



# 3-DOME SMD LED

XZxxxxxx92W-3 Series

## Features

3.5 x 3.5 x 1.25mm

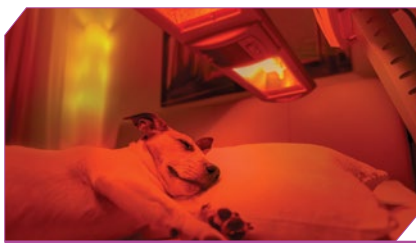
Unique 3-Dome Package

Multicolor Package

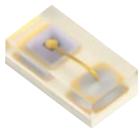
Narrow Viewing Angle

Part Number	$\lambda_{Peak}$ (nm)	Min. (mcd)	Typ. (mcd)	$I_F$ (mA)	Viewing Angle	Package Dimension
XZFBBM2ACRDG92W-3	◆ 465	300	497	20	50°	
	◆ 640	1000	1590			
	◆ 520	1300	1890			
XZFBBM2ACRTHI92W-3	◆ 465	400	597	20	50°	
	◆ 640	1000	1395			
	◆ 880	1.2mW	2.5mW			
XZM2CRKCYKFB92W-3	◆ 640	1000	1295	20	50°	
	◆ 590	1000	1395			
	◆ 465	400	597			
XZM2CYKCRKDG92W-3	◆ 590	1000	1590	20	50°	
	◆ 640	700	1195			
	◆ 515	1000	1590			

**Product Applications** Medical and Healthcare EV Charger IoT Devices Industrial Equipment



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



# NANOPOINT-0201

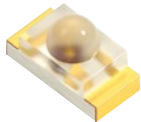
XZxx155x Series

## Features

- 0.65 x 0.35 x 0.2mm
- MSL: 2
- Super Thin
- Low Power Consumption

Part Number	$\lambda$ Peak (nm)	Min. (mcd)	Typ. (mcd)	$I_F$ (mA)	Viewing Angle	Package Dimension
XZMDR155W	639	10	34	10	135°	
XZMER155W	632	15	39	10	135°	
XZMOR155W	611	20	49	10	135°	
XZMYR155W	591	10	29	10	135°	
XZVG155W	572	6	14	10	135°	
XZDG155W5MAV	515	180	278	5	140°	
XZFBA155W5MAV	463	30	59	5	140°	
XZFWA155F5MAV	$X=0.31$ $Y=0.31$	180	317	5	140°	

**Product Applications** Medical and Healthcare Mobile Devices Wearable Devices Consumer Devices



# PIXSOLED

XZxx53W-8 Series

## Features

- 1.6 x 0.8 x 0.95mm
- MSL: 3
- High Intensity
- Narrow Viewing Angle

Part Number	$\lambda$ Peak (nm)	Min. (mcd)	Typ. (mcd)	$I_F$ (mA)	Viewing Angle	Package Dimension
XZMDK53W-8	645	80	248	20	60°	
XZM2CRK53W-8	640	500	895	20	60°	
XZMOK53W-8	610	200	497	20	60°	
XZMYK53W-8	590	300	597	20	60°	
XZM2CYK53W-8	590	500	845	20	60°	
XZVG53W-8	574	80	188	20	60°	
XZDGK53W-8	515	700	1195	20	60°	
XZFB53W-8	465	200	347	20	40°	

**Product Applications** Medical and Healthcare Consumer Devices Audio / Video Light Pipe Indication



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