

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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**FEATURES**

VOLTAGE: 12V DC PER MODULE

CURRENT: 40mA PER MODULE

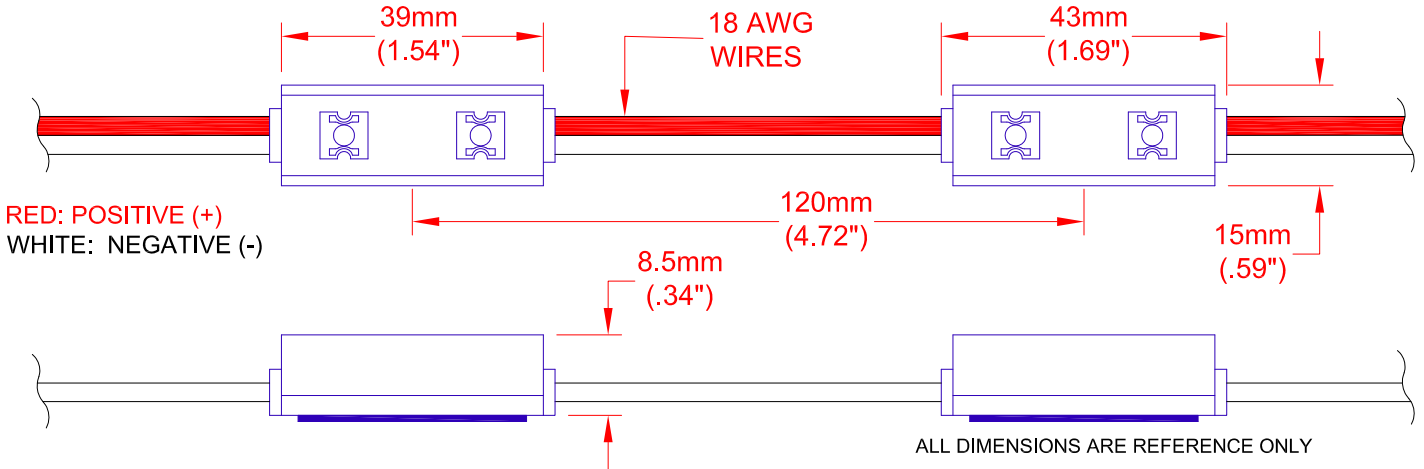
LED VIEWING ANGLE (2 θ 1/2): 120°

MODULE THICKNESS: 8.5mm

PACKAGE: 50 MODULES PER REEL

IP67

**15mm X 43mm WATER RESISTANT LED MODULES**



**NOTES:**

- STANDARD MOUNTING INCLUDES ADHESIVE BACKING.
- JKL ACCESSORIES TO BE ORDERED SEPARATELY: ZPS-1235 OR ZPS-1260 POWER SUPPLIES.
- DUE TO WIRE GAUGE USED IN THE CONSTRUCTION OF THE MODULES SERIAL RUNS SHOULD BE LIMITED TO 16 FEET OR 50 MODULES.
- POWER CONSUMPTION 1.4 WATTS PER FOOT.

PLEASE REFER TO JKL APPLICATION SHEET: JKL-AS-ZM-CHANNEL-LED FOR INSTALLATION AND POWER RECOMMENDATIONS.

**Electrical/Optical Characteristics at TA = 25°C**

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage DC	VF	IF = 40mA	--	12	--	V
Color Temperature	TC	IF = 40mA	RED 625			nm
Luminous Flux per Module	φV/Mod	IF = 40mA	--	14	--	lm/module
Luminous Flux per Ft.	φV/Ft	--	--	42	--	lm/ft
Recommend Forward Current	IF(rec)	--	--	40	--	mA

**Absolute Maximum Rating at TA = 25°C**

Parameter	Symbol	Absolute Maximum Rating	Unit
Forward Current	IF	40	mA
Power Dissipation	PD	0.5	W
Electrostatic Discharge	ESD	800	V
Operating Temperature	Topr	-20~+70	°C
Storage Temperature	Tstg	-40~+80	°C



**ATTENTION**



OBSERVE PRECAUTION FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

JKL PART NO.: ZM-1543-R

<p><b>METRIC</b></p> <p>THIRD ANGLE PROJECTION</p>		<p>DIMENSIONS ARE IN mm &amp; (INCHES)</p> <p>TOLERANCE UNLESS OTHERWISE SPECIFIED</p> <p>1 PL +/- REF.</p> <p>2 PL +/- ANGLE +/-</p>		<p><b>JKL COMPONENTS CORPORATION</b></p> <p>TITLE: <b>RED 2 LED MODULE CHANNEL LIGHT</b></p>			
<p>D CHANGE CHART, NOTES &amp; LINE DRW. 11/20/12</p> <p>C ADD REFERENCE NOTE 8/30/11</p> <p>B ADD WIRE TYPE &amp; CHANGE NOTES 7/5/11</p> <p>A ADD UL SYMBOL 4/14/11</p> <p>RELEASED AND CANCEL PL-1101-03 3/2/11</p>	<p>APP'D BY DATE</p> <p>L. WENGSTROM L.R. 11/20/12</p>	<p>SIZE <b>A</b></p> <p>FSCM NO. <b>55335</b></p> <p>DRAWING NO. <b>ZM-1543-R</b></p>	<p>SCALE <b>NONE</b></p> <p>RELEASED DATE <b>3/2/11</b></p>	<p>REVISION DATE <b>11/20/12</b></p>	<p>REV. NO. <b>D</b></p>	<p>SHEET <b>1</b> OF <b>1</b></p>	
<p>REV. NO. DESCRIPTION/ECO NUMBER</p>		<p>APP'D DATE</p>		<p>- CAD DRAWING -</p> <p>MANUAL REVISIONS NOT PERMITTED</p>			