



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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

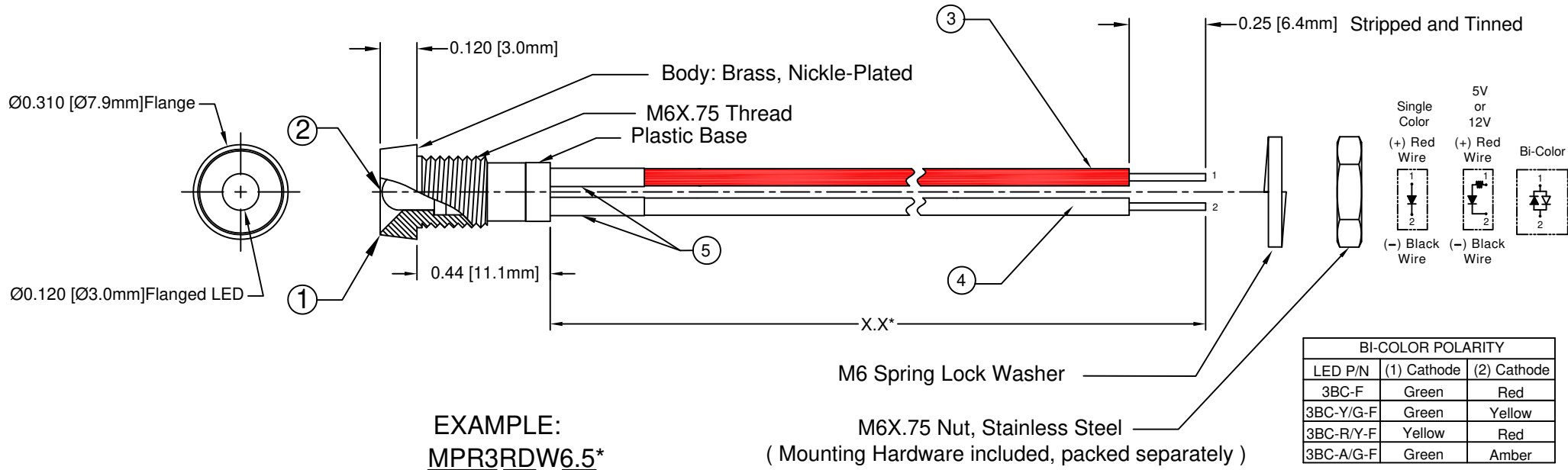
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



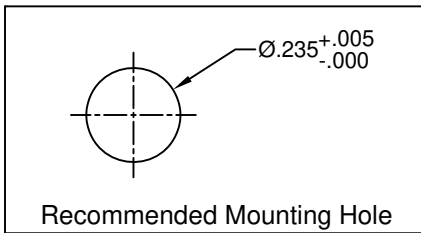
ITEM	QTY	PART NUMBER	PART DESCRIPTION
1	1	MPR3	Chrome Panel Mount Holder, 3mm
2	1	3XXX-F	T-1 (3mm) Flanged LED, See Following Pages
3	1	BWS24AWG-RD	24AWG Wire Lead U.L. 1007, Red
4	1	BWS24AWG-BK	24AWG Wire Lead U.L. 1007, Black
5	2	BST200-BK	Shrink Tubing, Black, .5" Cut Length

REV.	DESCRIPTION	DATE	APPROVED
A	Engineering Release.	07/27/07	M. C.
B	Shrink Tubing Length Update.	03/23/09	T. Y.
C	Updated LED offering	05/03/12	T. Y.
D	Updated Bi-Color Polarity Table	12/18/12	T. Y.
E	Updated Typo On Page 4	06/12/14	J. C.
F	Updated LED Optical Characteristics	09/15/15	J. C.



EXAMPLE:  
MPR3RDW6.5\*

Series  
LED Color, Lens Appearance  
Wire Length in inches




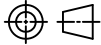
## ABSOLUTE MAXIMUM RATINGS (Ta = 25°C)

REVERSE VOLTAGE	5V
REVERSE CURRENT (VR=5V)	100µA
OPERATING TEMPERATURE RANGE	-25°C ~ 85°C
STORAGE TEMPERATURE	-30°C ~ 100°C
LEAD SOLDERING TEMPERATURE (1/16" FROM BODY)	260°C for 5 Seconds

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)		BIVAR®	
DECIMALS	ANGULAR	4 THOMAS, IRVINE, CA. 92618	
.X ± .1	X° ± 1°	TEL: (949) 951-8808 FAX: (949) 951-3974	
.XX ± .02		<b>TITLE:</b> STD METAL PANEL MOUNT INDICATORS W/ WIRES	
.XXX ± .010		<b>PART NO:</b> MPR3XXWX.X	
DESIGNED: <b>Dan Beckman</b>	DATE: <b>07/27/07</b>	REVISION: <b>F</b>	
CHECKED: <b>T. Yin</b>	DATE: <b>07/27/07</b>	<b>CAGE CODE :</b> 32559 <b>SHEET #</b> 1 <b>OF</b> 4	
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REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1.		


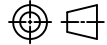
LED Assy. No.	Chip			Lens Appearance	Electro-Optical Data @ 20mA				Viewing Angle 2 θ ½ (Deg)	LED P/N
	Material	Peak Wave Length	Emitted Color		If (mA)	Vf (V)		Iv (mcd)		
					MAX	TYP	MAX	TYP		
MPR3BWCWX.X	GaN/SiC	430	BLUE	WATER CLEAR	25	4	4.5	15	20	3BWC-F
MPR3BWDWX.X	GaN/SiC	430	BLUE	DIFFUSED	25	4	4.5	10	35	3BWD-F
MPR3BWTWX.X	GaN/SiC	430	BLUE	TINTED	25	4	4.5	15	20	3BWT-F
MPR3GCWX.X	GaP/GaP	568	GREEN	WATER CLEAR	30	2.1	2.8	40	20	3GC-F
MPR3GDWX.X	GaP/GaP	568	GREEN	DIFFUSED	30	2.1	2.8	25	35	3GD-F
MPR3GTWX.X	GaP/GaP	568	GREEN	TINTED	30	2.1	2.8	40	20	3GT-F
MPR3PGCWX.X	GaP/GaP	555	PURE GREEN	WATER CLEAR	30	2.2	2.8	10	20	3PGC-F
MPR3PGDWX.X	GaP/GaP	555	PURE GREEN	DIFFUSED	30	2.2	2.8	5	35	3PGD-F
MPR3PGTWX.X	GaP/GaP	555	PURE GREEN	TINTED	30	2.2	2.8	10	20	3PGT-F
MPR3YCWX.X	GaAsP/GaP	590	YELLOW	WATER CLEAR	30	2	2.8	40	20	3YC-F
MPR3YDWX.X	GaAsP/GaP	590	YELLOW	DIFFUSED	30	2	2.8	20	35	3YD-F
MPR3YTWX.X	GaAsP/GaP	590	YELLOW	TINTED	30	2	2.8	40	20	3YT-F
MPR3ACWX.X	GaAsP/GaP	605	AMBER	WATER CLEAR	30	2	2.8	40	20	3AC-F
MPR3ADWX.X	GaAsP/GaP	605	AMBER	DIFFUSED	30	2	2.8	25	35	3AD-F
MPR3ATWX.X	GaAsP/GaP	605	AMBER	TINTED	30	2	2.8	40	20	3AT-F
MPR3HCWX.X	GaAsP/GaP	625	HE RED	WATER CLEAR	30	2	2.8	50	20	3HC-F
MPR3HDWX.X	GaAsP/GaP	625	HE RED	DIFFUSED	30	2	2.8	30	35	3HD-F
MPR3HTWX.X	GaAsP/GaP	625	HE RED	TINTED	30	2	2.8	50	20	3HT-F
MPR3RCWX.X	GaP/GaP	700	RED	WATER CLEAR	20	2.1	2.8	2.5	35	3RC-F
MPR3RDWX.X	GaP/GaP	700	RED	DIFFUSED	20	2.1	2.8	2	20	3RD-F
MPR3RTWX.X	GaP/GaP	700	RED	TINTED	20	2.1	2.8	2.5	20	3RT-F
MPR3BCWX.X-A/G	GaAsP/GaP	605	AMBER	DIFFUSED	30	2.0	2.8	6	45	3BC-A/G-F
	GaP/GaP	568	GREEN		30	2.1	2.8	6		
MPR3BCWX.X	GaAsP/GaP	625	RED	DIFFUSED	30	2.0	2.8	6	45	3BC-F
	GaP/GaP	568	GREEN		30	2.1	2.8	6		
MPR3BCWX.X-R/Y	GaAsP/GaP	625	RED	DIFFUSED	30	2.0	2.8	6	45	3BC-R/Y-F
	GaAsP/GaP	590	YELLOW		30	2.0	2.8	4		
MPR3BCWX.X-Y/G	GaAsP/GaP	590	YELLOW	DIFFUSED	30	2.0	2.8	4	45	3BC-Y/G-F
	GaP/GaP	568	GREEN		30	2.1	2.8	6		

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) ±10% ALL VALUES    ANGULAR		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808    FAX: (949) 951-3974	
			
DESIGNED: <b>Dan Beckman</b>	DATE: <b>07/27/07</b>	PART NO: <b>MPR3XXWX.X</b>	REVISION: <b>F</b>
CHECKED: <b>T. Yin</b>	DATE: <b>07/27/07</b>	CAGE CODE : <b>32559</b>	SHEET # <b>2 OF 4</b>
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REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1.		


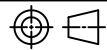
LED Assy. No.	Chip			Lens Appearance	Electro-Optical Data @ 20mA				Viewing Angle 2 θ ½ (Deg)	LED P/N
	Material	Peak Wave Length	Emitted Color		If (mA)	Vf (V)		Iv (mcd)		
					MAX	TYP	MAX	TYP		
MPR3UBWCWX.X	GaN/SiC	470	BLUE	WATER CLEAR	30	4	4.5	400	30	3UBWC-0.6K-F
MPR3SGCWX.X	GaP/GaP	568	GREEN	WATER CLEAR	30	2.1	2.8	50	20	3SGC-F
MPR3SGDWX.X	GaP/GaP	568	GREEN	DIFFUSED	30	2.1	2.8	30	35	3SGD-F
MPR3SGTWX.X	GaP/GaP	568	GREEN	TINTED	30	2.1	2.8	50	20	3SGT-F
MPR3SYCWX.X	GaAsP/GaP	590	YELLOW	WATER CLEAR	30	2.0	2.8	50	20	3SYC-F
MPR3SYDWX.X	GaAsP/GaP	590	YELLOW	DIFFUSED	30	2.0	2.8	30	35	3SYD-F
MPR3SYTWX.X	GaAsP/GaP	590	YELLOW	TINTED	30	2.0	2.8	50	20	3SYT-F
MPR3SACWX.X	AlGaInP	605	AMBER	WATER CLEAR	30	1.8	2.4	300	20	3SAC-F
MPR3SADWX.X	AlGaInP	605	AMBER	DIFFUSED	30	1.8	2.4	100	35	3SAD-F
MPR3SATWX.X	AlGaInP	605	AMBER	TINTED	30	1.8	2.4	300	20	3SAT-F
MPR3SRCWX.X	GaAlAs/GaAs	645	SUPER RED	WATER CLEAR	30	1.7	2.4	60	20	3SRC-F
MPR3SRDWX.X	GaAlAs/GaAs	645	SUPER RED	DIFFUSED	30	1.7	2.4	40	35	3SRD-F
MPR3SRTWX.X	GaAlAs/GaAs	645	SUPER RED	TINTED	30	1.7	2.4	60	20	3SRT-F
MPR3UGCWX.X	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	200	20	3UGC-F
MPR3SUGCWX.X	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	300	35	3SUGC-F
MPR3UYCWX.X	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	300	20	3UYC-F
MPR3SUYCWX.X	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	400	20	3SUYC-F
MPR3UUUCWX.X	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	600	35	3UUYC-F
MPR3UOCWX.X	AlGaInP	625	ORANGE	WATER CLEAR	30	1.8	2.4	300	20	3UOC-F
MPR3SUOCWX.X	AlGaInP	625	ORANGE	WATER CLEAR	30	1.8	2.4	400	20	3SUOC-F
MPR3URCWX.X	GaAlAs/GaAs	645	RED	WATER CLEAR	30	1.7	2.4	200	35	3URC-F
MPR3SURCWX.X	AlGaInP	640	RED	WATER CLEAR	30	1.8	2.4	200	20	3SURC-F
MPR3UWCWX.X	InGaN/Sapphire	6500K	WHITE	WATER CLEAR	30	3.2	3.6	6000	35	3UWC1.035C-F

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DESIGNED: <b>Dan Beckman</b>	DATE: <b>07/27/07</b>	<b>PART NO:</b> MPR3XXWX.X	
CHECKED: <b>T. Yin</b>	DATE: <b>07/27/07</b>	<b>CAGE CODE :</b> 32559	<b>SHEET #</b> 3 OF 4
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REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1.		

LED Assy. No.	Chip			Lens Appearance	Absolute Max. Ratings			Electro-Optical Data @ 2mA			Viewing Angle 2 θ ½ (Deg)	LED P/N
	Material	Peak Wave Length λp(nm)	Emitted Color		Pd (mW)	If (mA)	Peak If(mA)	Vf (V)		Iv (mcd)		
								TYP	MAX	TYP		
MPR3BWDLWX.X	GaN/siC	430	BLUE	DIFFUSED	20	7	-	3.8	4.2	2.5	35	3BWDL-F
MPR3GDLWX.X	GaP/GaP	568	GREEN	DIFFUSED	10	7	-	2.1	2.6	4.0	35	3GDL-F
MPR3PGDLWX.X	GaP/GaP	555	PURE GREEN	DIFFUSED	10	7	-	2.1	2.6	0.2	35	3PGDL-F
MPR3YDLWX.X	GaAsP/GaP	590	YELLOW	DIFFUSED	10	7	-	2.0	2.6	2.0	35	3YDL-F
MPR3ADLWX.X	GaAsP/GaP	605	AMBER	DIFFUSED	10	7	-	2.0	2.6	4.0	35	3ADL-F
MPR3HDLWX.X	GaAsP/GaP	625	HE RED	DIFFUSED	10	7	-	2.0	2.6	2.5	35	3HDL-F
MPR3RDLWX.X	GaP/GaP	700	RED	DIFFUSED	10	7	-	2.1	2.6	0.5	35	3RDL-F
MPR3SRDLWX.X	GaAlAs/GaAs	645	RED	DIFFUSED	10	7	-	2.0	-	8.0	35	3SRDL-F

LED Assy. No.	Peak Wave Length λp(nm)	Emitted Color	Lens Appearance	Electro-Optical Data				Viewing Angle 2 θ ½ (Deg)	LED P/N
				If (mA)	Vf (V)		Iv (mcd)		
					MAX	TYP			
<b>5 Volt</b>				<b>Data @ 5V</b>					
MPR3BWD5VWX.X	BLUE	430	DIFFUSED	-	-	5	10	35	3BWD5V-F
MPR3GC5VWX.X	GREEN	568	WATER CLEAR	-	-	5	40	20	3GC5V-F
MPR3GD5VWX.X	GREEN	568	DIFFUSED	-	-	5	25	35	3GD5V-F
MPR3GT5VWX.X	GREEN	568	TINTED	-	-	5	40	20	3GT5V-F
MPR3AD5VWX.X	AMBER	605	DIFFUSED	-	-	5	25	35	3AD5V-F
MPR3HD5VWX.X	HE RED	625	DIFFUSED	-	-	5	30	35	3HD5V-F
MPR3RD5VWX.X	RED	700	DIFFUSED	-	-	5	2	35	3RD5V-F
MPR3YD5VWX.X	YELLOW	590	DIFFUSED	-	-	5	20	35	3YD5V-F
<b>12 Volt</b>				<b>Data @ 12V</b>					
MPR3GC12VWX.X	GREEN	568	WATER CLEAR	-	-	12	40	20	3GC12V-F
MPR3GD12VWX.X	GREEN	568	DIFFUSED	-	-	12	25	35	3GD12V-F
MPR3HC12VWX.X	HE RED	625	WATER CLEAR	-	-	12	50	20	3HC12V-F
MPR3HD12VWX.X	HE RED	625	DIFFUSED	-	-	12	30	35	3HD12V-F
MPR3RC12VWX.X	RED	700	WATER CLEAR	-	-	12	6	20	3RC12V-F
MPR3RD12VWX.X	RED	700	DIFFUSED	-	-	12	2	35	3RD12V-F
MPR3YC12VWX.X	YELLOW	590	WATER CLEAR	-	-	12	40	20	3YC12V-F
MPR3YD12VWX.X	YELLOW	590	DIFFUSED	-	-	12	25	35	3YD12V-F

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