



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

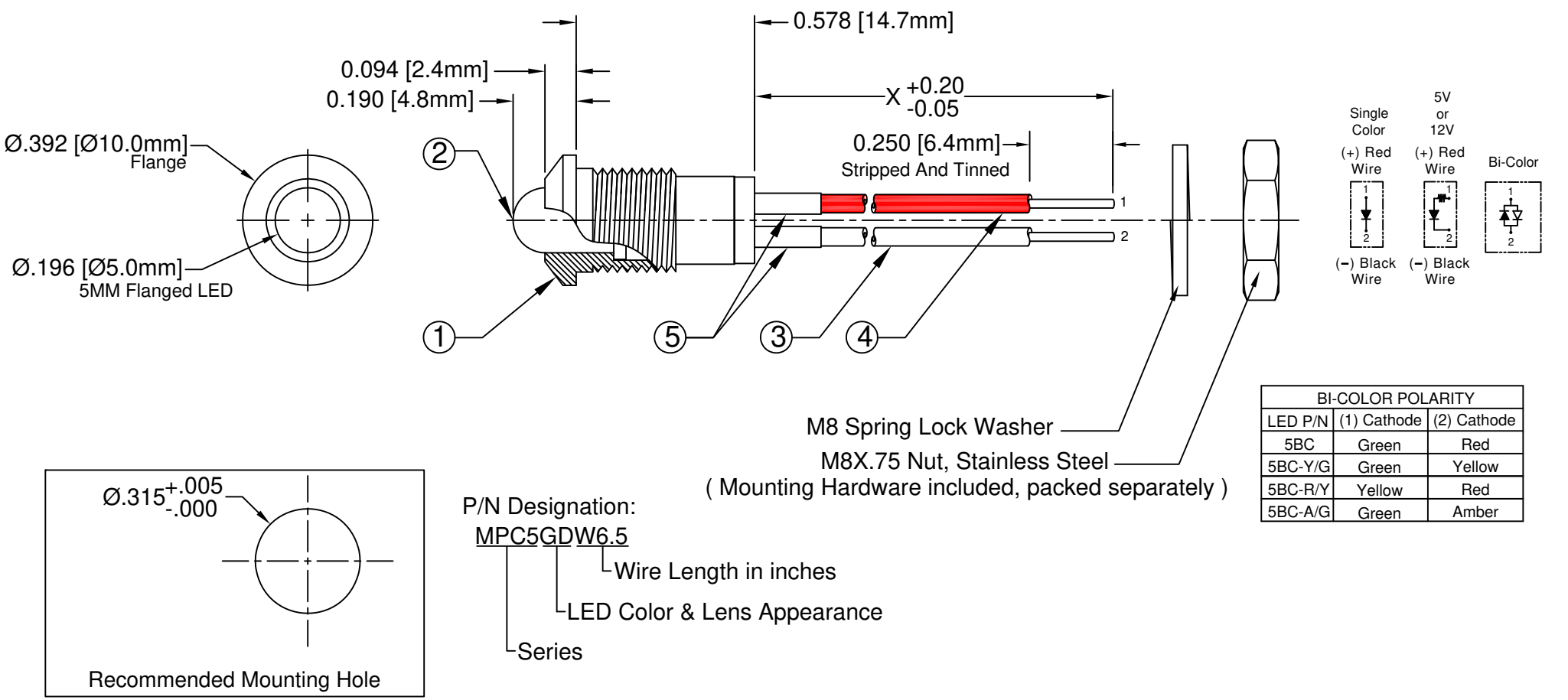
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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



ITEM	Q'TY	PART NUMBER	PART DESCRIPTION
1	1	MPC5	Chrome Panel Mount Holder, 5mm
2	1	5XX-F	T-1 3/4 (5mm) Flanged LED, P.2.
3	1	BWS24-1007-BK	24AWG Wire Lead U.L. 1007, Black
4	1	BWS24-1007-RD	24AWG Wire Lead U.L. 1007, Red
5	2	BST200-BK	Shrink Tubing, Black, 0.5" Cut Length

REV.	DESCRIPTION	DATE	APPROVED
C	Shrink Tubing Update. Change Length to 0.5"	11/12/07	M. C.
D	Added MPC5WC7.015WX.X Specs.	06/03/08	M. C.
E	Added MPC5XX5VWX.X Specs. and Updated .578 Dim.	06/24/08	M. C.
F	Added MPC5SRD5VWX.X Specs.	06/27/08	M. C.
G	Added MPC5SGDWX.X Specs and Removed 5V Specs.	10/06/09	T. Y.
H	Updated LED offering	05/03/12	T. Y.
J	Updated LED Optical Characteristics	09/15/15	J. C.





### 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 )		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
DECIMALS	ANGULAR		
.X ± .1	X° ± 1°	<b>TITLE:</b> STD METAL PANEL MOUNT INDICATORS W/ WIRES	
.XX ± .02			
.XXX ± .010		<b>PART NO:</b> MPC5XXWX.X	
DESIGNED: David Green	DATE: 01/31/05	<b>REVISION:</b> J	
CHECKED: T. Yin	DATE: 01/31/05	<b>CAGE CODE :</b> 32559 <b>SHEET #</b> 1 OF 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	
MPC5BWCWX.X	GaN/SiC	430	BLUE	WATER CLEAR	25	4	4.5	25	20	5BWC-F
MPC5BWDWX.X	GaN/SiC	430	BLUE	DIFFUSED	25	4	4.5	15	45	5BWD-F
MPC5BWTWX.X	GaN/SiC	430	BLUE	TINTED	25	4	4.5	30	20	5BWT-F
MPC5GCWX.X	GaP/GaP	568	GREEN	WATER CLEAR	30	2.1	2.8	40	35	5GC-F
MPC5GDWX.X	GaP/GaP	568	GREEN	DIFFUSED	30	2.1	2.8	25	45	5GD-F
MPC5GTWX.X	GaP/GaP	568	GREEN	TINTED	30	2.1	2.8	40	35	5GT-F
MPC5UGCWX.X	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	600	35	5UGC-F
MPC5PGCWX.X	GaP/GaP	555	PURE GREEN	WATER CLEAR	30	2.2	2.8	10	35	5PGC-F
MPC5PGDWX.X	GaP/GaP	555	PURE GREEN	DIFFUSED	30	2.2	2.8	10	45	5PGD-F
MPC5PGTWX.X	GaP/GaP	555	PURE GREEN	TINTED	30	2.2	2.8	10	35	5PGT-F
MPC5YCWX.X	GaAsP/GaP	590	YELLOW	WATER CLEAR	30	2	2.8	40	35	5YC-F
MPC5YDWX.X	GaAsP/GaP	590	YELLOW	DIFFUSED	30	2	2.8	25	45	5YD-F
MPC5YTWX.X	GaAsP/GaP	590	YELLOW	TINTED	30	2	2.8	40	35	5YT-F
MPC5ACWX.X	GaAsP/GaP	605	AMBER	WATER CLEAR	30	2	2.8	40	35	5AC-F
MPC5ADWX.X	GaAsP/GaP	605	AMBER	DIFFUSED	30	2	2.8	25	45	5AD-F
MPC5ATWX.X	GaAsP/GaP	605	AMBER	TINTED	30	2	2.8	40	35	5AT-F
MPC5HCWX.X	GaAsP/GaP	625	HE RED	WATER CLEAR	30	2	2.8	40	35	5HC-F
MPC5HDWX.X	GaAsP/GaP	625	HE RED	DIFFUSED	30	2	2.8	25	45	5HD-F
MPC5HTWX.X	GaAsP/GaP	625	HE RED	TINTED	30	2	2.8	40	35	5HT-F
MPC5RCWX.X	GaP/GaP	700	RED	WATER CLEAR	20	2.1	2.8	2	35	5RC-F
MPC5RDWX.X	GaP/GaP	700	RED	DIFFUSED	20	2.1	2.8	2	45	5RD-F
MPC5RTWX.X	GaP/GaP	700	RED	TINTED	20	2.1	2.8	2	35	5RT-F
MPC5BCWX.X-A/G	GaAsP/GaP	605	AMBER	WHITE DIFFUSED	30	2.0	2.8	6	45	5BC-A/G-F
	GaP/GaP	568	GREEN		30	2.1	2.8	6		
MPC5BCWX.X	GaAsP/GaP	625	RED	WHITE DIFFUSED	30	2.0	2.8	6	45	5BC-F
	GaP/GaP	568	GREEN		30	2.1	2.8	8		
MPC5BCWX.X-R/Y	GaAsP/GaP	625	RED	WHITE DIFFUSED	30	2.0	2.8	6	45	5BC-R/Y-F
	GaAsP/GaP	590	YELLOW		30	2.0	2.8	5		
MPC5BCWX.X-Y/G	GaAsP/GaP	590	YELLOW	WHITE DIFFUSED	30	2.0	2.8	5	45	5BC-Y/G-F
	GaP/GaP	568	GREEN		30	2.1	2.8	8		

STANDARD TOLERANCE ( UNLESS OTHERWISE SPECIFIED ) ±10% ALL VALUES <u>ANGULAR</u>		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808    FAX: (949) 951-3974	
X° ± 5°			
		<b>TITLE:</b> STD METAL PANEL MOUNT INDICATORS W/ WIRES	
DESIGNED: <b>David Green</b>	DATE: <b>01/31/05</b>	<b>PART NO:</b> <b>MPC5XXWX.X</b>	REVISION: <b>J</b>
CHECKED: <b>T. Yin</b>	DATE: <b>01/31/05</b>	<b>CAGE CODE : 32559</b>	<b>SHEET # 2 OF 4</b>
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REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1.		


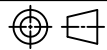
LED Assy. No.	Chip			Lens Appearance	Electro-Optical Data @ 20mA				Viewing Angle 2 θ ½ (Deg)	LED P/N
	Material	Peak Wave Length	Emitted Color		If (mA)	Vf (V)		Iv (mcd)		
					MAX	TYP	MAX	TYP		
MPC5UBWCWX.X	InGaN/SiC	468	BLUE	WATER CLEAR	50	3.2	3.6	8000	15	5BWC2.515F
MPC5SGCWX.X	GaP/GaP	568	GREEN	WATER CLEAR	30	2.1	2.8	60	35	5SGC-F
MPC5SGDWX.X	GaP/GaP	568	GREEN	DIFFUSED	30	2.1	2.8	50	40	5SGD-F
MPC5SGTWX.X	GaP/GaP	568	GREEN	TINTED	30	2.1	2.8	60	35	5SGT-F
MPC5SYCWX.X	GaAsP/GaP	590	YELLOW	WATER CLEAR	30	2.0	2.8	600	35	5SYC-F
MPC5SYDWX.X	GaAsP/GaP	590	YELLOW	DIFFUSED	30	2.0	2.8	150	40	5SYD-F
MPC5SYTWX.X	GaAsP/GaP	590	YELLOW	TINTED	30	2.0	2.8	600	35	5SYT-F
MPC5SRCWX.X	GaAlAs/GaAs	645	SUPER RED	WATER CLEAR	30	1.7	2.4	60	35	5SRC-F
MPC5SRDWX.X	GaAlAs/GaAs	645	SUPER RED	DIFFUSED	30	1.7	2.4	40	40	5SRD-F
MPC5SRTWX.X	GaAlAs/GaAs	645	SUPER RED	TINTED	30	1.7	2.4	60	35	5SRT-F
MPC5UGCWX.X	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	400	35	5UGC-F
MPC5UGCWX.X	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	300	35	5SUGC-F
MPC5UYCWX.X	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	1000	30	5UYC-F
MPC5SUycwx.x	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	700	35	5SUyc-F
MPC5UUYCWX.X	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	500	35	5UUYC-F
MPC5UOCWX.X	AlGaInP	625	ORANGE	WATER CLEAR	30	1.8	2.4	1400	35	5UOC-F
MPC5UOCWX.X	AlGaInP	625	ORANGE	WATER CLEAR	30	1.8	2.4	1300	35	5SUOC-F
MPC5URCWX.X	GaAlAs/GaAs	645	RED	WATER CLEAR	30	1.7	2.4	400	30	5URC-F
MPC5SURCWX.X	AlGaInP	640	RED	WATER CLEAR	30	1.8	2.4	500	35	5SURC-F
MPC5UWCWX.X	InGaN/SiC	6500K	WHITE	WATER CLEAR	100	3.5	4.2	2700	30	5WC2.730F

STANDARD TOLERANCE ( UNLESS OTHERWISE SPECIFIED ) ±10% ALL VALUES      ANGULAR X° ± 5°		 <b>BIVAR</b> <sup>®</sup> 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808    FAX: (949) 951-3974		
				<b>TITLE:</b> STD METAL PANEL MOUNT INDICATORS W/ WIRES
DESIGNED: <b>David Green</b>	DATE: <b>01/31/05</b>	<b>PART NO:</b> <b>MPC5XXWX.X</b>		REVISION: <b>J</b>
CHECKED: <b>T. Yin</b>	DATE: <b>01/31/05</b>	<b>CAGE CODE : 32559</b>		<b>SHEET # 3 OF 4</b>
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REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1.		

LED Assy. No.	Peak Wave Length $\lambda_p$ (nm)	Emitted Color	Lens Appearance	Max. Rating	Electro-Optical Data @ 2mA			Viewing Angle $2\theta_{1/2}$ (Deg)	LED P/N
				If (mA)	Vf (V)		Iv (mcd)		
				MAX	TYP	MAX	TYP		
MPC5BWDLWX.X	430	BLUE	DIFFUSED	7	3.8	4.2	4	40	5BWDL-F
MPC5PGDLWX.X	555	PURE GREEN	DIFFUSED	7	2.1	2.6	1	40	5PGDL-F
MPC5GDLWX.X	568	GREEN	DIFFUSED	7	2.1	2.6	4	40	5GDL-F
MPC5YDLWX.X	590	YELLOW	DIFFUSED	7	2.0	2.6	4	40	5YDL-F
MPC5ADLWX.X	605	AMBER	DIFFUSED	7	2.0	2.6	4	40	5ADL-F
MPC5HDLWX.X	625	HE RED	DIFFUSED	7	2.0	2.6	5	40	5HDL-F
MPC5SRDLWX.X	645	SUPER RED	DIFFUSED	7	1.7	2.3	6	40	5SRDL-F

LED Assy. No.	Peak Wave Length $\lambda_p$ (nm)	Emitted Color	Lens Appearance	Electro-Optical Data				Viewing Angle $2\theta_{1/2}$ (Deg)	LED P/N
				If (mA)	Vf (V)		Iv (mcd)		
				MAX	TYP	MAX	TYP		
<b>5 Volt</b>				<b>Data @ 5V</b>					
MPC5BWD5VWX.X	BLUE	430	DIFFUSED	-	-	5	15	40	5BWD5V-F
MPC5GC5VWX.X	GREEN	568	WATER CLEAR	-	-	5	40	40	5GC5V-F
MPC5GD5VWX.X	GREEN	568	DIFFUSED	-	-	5	25	40	5GD5V-F
MPC5GT5VWX.X	GREEN	568	TINTED	-	-	5	40	40	5GT5V-F
MPC5AD5VWX.X	AMBER	605	DIFFUSED	-	-	5	25	40	5AD5V-F
MPC5HD5VWX.X	HE RED	625	DIFFUSED	-	-	5	30	40	5HD5V-F
MPC5RD5VWX.X	RED	700	DIFFUSED	-	-	5	1.5	40	5RD5V-F
MPC5YD5VWX.X	YELLOW	590	DIFFUSED	-	-	5	25	40	5YD5V-F
<b>12 Volt</b>				<b>Data @ 12V</b>					
MPC5GC12VWX.X	GREEN	568	WATER CLEAR	-	-	12	40	35	5GC12V-F
MPC5GD12VWX.X	GREEN	568	DIFFUSED	-	-	12	25	40	5GD12V-F
MPC5HC12VWX.X	HE RED	625	WATER CLEAR	-	-	12	50	35	5HC12V-F
MPC5HD12VWX.X	HE RED	625	DIFFUSED	-	-	12	30	40	5HD12V-F
MPC5RC12VWX.X	RED	700	WATER CLEAR	-	-	12	2	35	5RC12V-F
MPC5RD12VWX.X	RED	700	DIFFUSED	-	-	12	1.5	40	5RD12V-F
MPC5YC12VWX.X	YELLOW	590	WATER CLEAR	-	-	12	25	35	5YC12V-F
MPC5YD12VWX.X	YELLOW	590	DIFFUSED	-	-	12	20	40	5YD12V-F

STANDARD TOLERANCE ( UNLESS OTHERWISE SPECIFIED ) $\pm 10\%$ ALL VALUES		 <b>BIVAR</b> <sup>®</sup> 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
ANGULAR X° $\pm$ 5°			
		TITLE: STD METAL PANEL MOUNT INDICATORS W/ WIRES	
		DESIGNED: David Green	DATE: 01/31/05
CHECKED: T. Yin		DATE: 01/31/05	CAGE CODE : 32559 SHEET # 4 OF 4
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