



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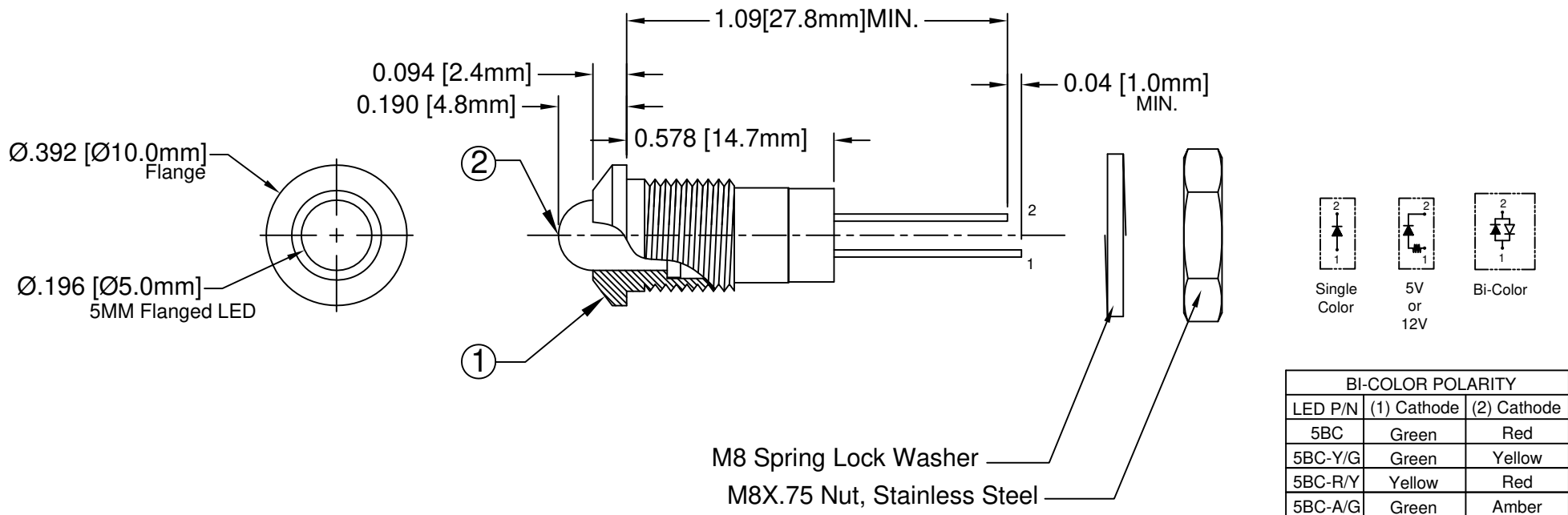
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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-1¼ (5mm) Flanged LED, See Following Pages

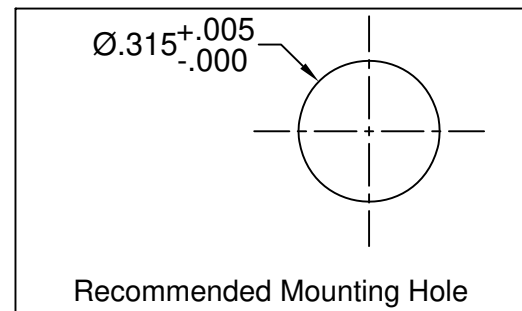
REV.	DESCRIPTION	DATE	APPROVED
A	Engineering Release.	03/02/05	M. C.
B	Corrected MPC5 Holder Dimension	09/06/05	M. C.
C	Corrected MPC5 Holder Dimension	11/29/05	M. C.
D	Updated MPC5 Holder Dimension	09/15/06	M. C.
E	Corrected LED Lead Polarity	02/01/07	M. C.
F	Updated LED offering	05/03/12	T. Y.
G	Corrected typo on page 4	07/16/12	T. Y.
H	Updated LED Optical Characteristics	09/15/15	J. C.



M8 Spring Lock Washer



M8X.75 Nut, Stainless Steel

(Mounting Hardware included, packed separately)




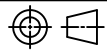
ABSOLUTE MAXIMUM RATINGS (Ta = 25°C)

REVERSE VOLTAGE	5V
REVERSE CURRENT (VR=5V)	100µA
OPERATING TEMPERATURE RANGE	-40°C ~ 85°C
STORAGE TEMPERATURE	-40°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	TITLE: STD METAL PANEL MOUNT INDICATORS
DECIMALS	ANGULAR		
.X ± .1	X° ± 1°		PART NO: MPC5XX REVISION: H
.XX ± .02			
.XXX ± .010			
DESIGNED: David Green	DATE: 03/02/05	CAGE CODE : 32559 SHEET # 1 OF 4	
CHECKED: T. Yin	DATE: 03/02/05	CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.	



REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1.		

LED Assy. No.	Chip			Lens Appearance	Electro-Optical Data @ 20mA				Viewing Angle 2θ ½ (Deg)	LED P/N
	Material	Peak Wave Length	Emitted Color		If (mA)	Vf (V)		Iv (mcd)		
					MAX	TYP	MAX	TYP		
MPC5BWC	GaN/SiC	430	BLUE	WATER CLEAR	25	4	4.5	25	20	5BWC-F
MPC5BWD	GaN/SiC	430	BLUE	DIFFUSED	25	4	4.5	15	45	5BWD-F
MPC5BWT	GaN/SiC	430	BLUE	TINTED	25	4	4.5	30	20	5BWT-F
MPC5GC	GaP/GaP	568	GREEN	WATER CLEAR	30	2.1	2.8	40	35	5GC-F
MPC5GD	GaP/GaP	568	GREEN	DIFFUSED	30	2.1	2.8	25	45	5GD-F
MPC5GT	GaP/GaP	568	GREEN	TINTED	30	2.1	2.8	40	35	5GT-F
MPC5UGC	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	600	35	5UGC-F
MPC5PGC	GaP/GaP	555	PURE GREEN	WATER CLEAR	30	2.2	2.8	10	35	5PGC-F
MPC5PGD	GaP/GaP	555	PURE GREEN	DIFFUSED	30	2.2	2.8	10	45	5PGD-F
MPC5PGT	GaP/GaP	555	PURE GREEN	TINTED	30	2.2	2.8	10	35	5PGT-F
MPC5YC	GaAsP/GaP	590	YELLOW	WATER CLEAR	30	2	2.8	40	35	5YC-F
MPC5YD	GaAsP/GaP	590	YELLOW	DIFFUSED	30	2	2.8	25	45	5YD-F
MPC5YT	GaAsP/GaP	590	YELLOW	TINTED	30	2	2.8	40	35	5YT-F
MPC5AC	GaAsP/GaP	605	AMBER	WATER CLEAR	30	2	2.8	40	35	5AC-F
MPC5AD	GaAsP/GaP	605	AMBER	DIFFUSED	30	2	2.8	25	45	5AD-F
MPC5AT	GaAsP/GaP	605	AMBER	TINTED	30	2	2.8	40	35	5AT-F
MPC5HC	GaAsP/GaP	625	HE RED	WATER CLEAR	30	2	2.8	40	35	5HC-F
MPC5HD	GaAsP/GaP	625	HE RED	DIFFUSED	30	2	2.8	25	45	5HD-F
MPC5HT	GaAsP/GaP	625	HE RED	TINTED	30	2	2.8	40	35	5HT-F
MPC5RC	GaP/GaP	700	RED	WATER CLEAR	20	2.1	2.8	2	35	5RC-F
MPC5RD	GaP/GaP	700	RED	DIFFUSED	20	2.1	2.8	2	45	5RD-F
MPC5RT	GaP/GaP	700	RED	TINTED	20	2.1	2.8	2	35	5RT-F
MPC5BC-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		
MPC5BC	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		
MPC5BC-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		
MPC5BC-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 ANGULAR X° ± 5°		 BIVAR [®] 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974		
				TITLE: STD METAL PANEL MOUNT INDICATORS
DESIGNED: David Green	DATE: 03/02/05	PART NO: MPC5XX		REVISION: H
CHECKED: T. Yin	DATE: 03/02/05	CAGE CODE : 32559	SHEET # 2 OF 4	
CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.				

REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1.		



LED Assy. No.	Chip			Lens Appearance	Electro-Optical Data @ 20mA				Viewing Angle 2θ ½ (Deg)	LED P/N
	Material	Peak Wave Length	Emitted Color		If (mA)	Vf (V)		Iv (mcd)		
					MAX	TYP	MAX	TYP		
MPC5UBWC	InGaN/SiC	468	BLUE	WATER CLEAR	50	3.2	3.6	8000	15	5BWC2.515F
MPC5SGC	GaP/GaP	568	GREEN	WATER CLEAR	30	2.1	2.8	60	35	5SGC-F
MPC5SGD	GaP/GaP	568	GREEN	DIFFUSED	30	2.1	2.8	50	40	5SGD-F
MPC5SGT	GaP/GaP	568	GREEN	TINTED	30	2.1	2.8	60	35	5SGT-F
MPC5SYC	GaAsP/GaP	590	YELLOW	WATER CLEAR	30	2.0	2.8	600	35	5SYC-F
MPC5SYD	GaAsP/GaP	590	YELLOW	DIFFUSED	30	2.0	2.8	150	40	5SYD-F
MPC5SYT	GaAsP/GaP	590	YELLOW	TINTED	30	2.0	2.8	600	35	5SYT-F
MPC5SRC	GaAlAs/GaAs	645	SUPER RED	WATER CLEAR	30	1.7	2.4	60	35	5SRC-F
MPC5SRD	GaAlAs/GaAs	645	SUPER RED	DIFFUSED	30	1.7	2.4	40	40	5SRD-F
MPC5SRT	GaAlAs/GaAs	645	SUPER RED	TINTED	30	1.7	2.4	60	35	5SRT-F
MPC5UGC	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	400	35	5UGC-F
MPC5UGC	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	300	35	5SUGC-F
MPC5UYC	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	1000	30	5UYC-F
MPC5SUYC	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	700	35	5SUYC-F
MPC5UUYC	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	500	35	5UUYC-F
MPC5UOC	AlGaInP	625	ORANGE	WATER CLEAR	30	1.8	2.4	1400	35	5UOC-F
MPC5UOC	AlGaInP	625	ORANGE	WATER CLEAR	30	1.8	2.4	1300	35	5SUOC-F
MPC5URC	GaAlAs/GaAs	645	RED	WATER CLEAR	30	1.7	2.4	400	30	5URC-F
MPC5SURC	AlGaInP	640	RED	WATER CLEAR	30	1.8	2.4	500	35	5SURC-F
MPC5UWC	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°		 BIVAR [®] 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
			
DESIGNED: David Green	DATE: 03/02/05	PART NO: MPC5XX	
CHECKED: T. Yin	DATE: 03/02/05	CAGE CODE : 32559	SHEET # 3 OF 4
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REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1.		

LED Assy. No.	Peak Wave Length λ_p (nm)	Emitted Color	Lens Appearance	Max. Rating	Electro-Optical Data @ 2mA			Viewing Angle 2 θ 1/2 (Deg)	LED P/N
				If (mA)	Vf (V)		Iv (mcd)		
				MAX	TYP	MAX	TYP		
MPC5BWDL	430	BLUE	DIFFUSED	7	3.8	4.2	4	40	5BWDL-F
MPC5PGDL	555	PURE GREEN	DIFFUSED	7	2.1	2.6	1	40	5PGDL-F
MPC5GDL	568	GREEN	DIFFUSED	7	2.1	2.6	4	40	5GDL-F
MPC5YDL	590	YELLOW	DIFFUSED	7	2.0	2.6	4	40	5YDL-F
MPC5ADL	605	AMBER	DIFFUSED	7	2.0	2.6	4	40	5ADL-F
MPC5HDL	625	HE RED	DIFFUSED	7	2.0	2.6	5	40	5HDL-F
MPC5SRDL	645	SUPER RED	DIFFUSED	7	1.7	2.3	6	40	5SRDL-F

LED Assy. No.	Peak Wave Length λ_p (nm)	Emitted Color	Lens Appearance	Electro-Optical Data				Viewing Angle 2 θ 1/2 (Deg)	LED P/N
				If (mA)	Vf (V)		Iv (mcd)		
				MAX	TYP	MAX	TYP		
5 Volt				Data @ 5V					
MPC5BWD5V	BLUE	430	DIFFUSED	-	-	5	15	40	5BWD5V-F
MPC5GC5V	GREEN	568	WATER CLEAR	-	-	5	40	40	5GC5V-F
MPC5GD5V	GREEN	568	DIFFUSED	-	-	5	25	40	5GD5V-F
MPC5GT5V	GREEN	568	TINTED	-	-	5	40	40	5GT5V-F
MPC5AD5V	AMBER	605	DIFFUSED	-	-	5	25	40	5AD5V-F
MPC5HD5V	HE RED	625	DIFFUSED	-	-	5	30	40	5HD5V-F
MPC5RD5V	RED	700	DIFFUSED	-	-	5	1.5	40	5RD5V-F
MPC5YD5V	YELLOW	590	DIFFUSED	-	-	5	25	40	5YD5V-F
12 Volt				Data @ 12V					
MPC5GC12V	GREEN	568	WATER CLEAR	-	-	12	40	35	5GC12V-F
MPC5GD12V	GREEN	568	DIFFUSED	-	-	12	25	40	5GD12V-F
MPC5HC12V	HE RED	625	WATER CLEAR	-	-	12	50	35	5HC12V-F
MPC5HD12V	HE RED	625	DIFFUSED	-	-	12	30	40	5HD12V-F
MPC5RC12V	RED	700	WATER CLEAR	-	-	12	2	35	5RC12V-F
MPC5RD12V	RED	700	DIFFUSED	-	-	12	1.5	40	5RD12V-F
MPC5YC12V	YELLOW	590	WATER CLEAR	-	-	12	25	35	5YC12V-F
MPC5YD12V	YELLOW	590	DIFFUSED	-	-	12	20	40	5YD12V-F

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) $\pm 10\%$ ALL VALUES ANGULAR X° $\pm 5^\circ$		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
			
DESIGNED: David Green	DATE: 03/02/05	TITLE: STD METAL PANEL MOUNT INDICATORS	
CHECKED: T. Yin	DATE: 03/02/05	PART NO: MPC5XX	REVISION: H
		CAGE CODE : 32559	SHEET # 4 OF 4
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