



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

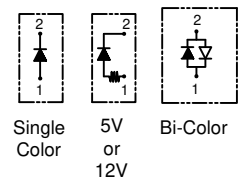
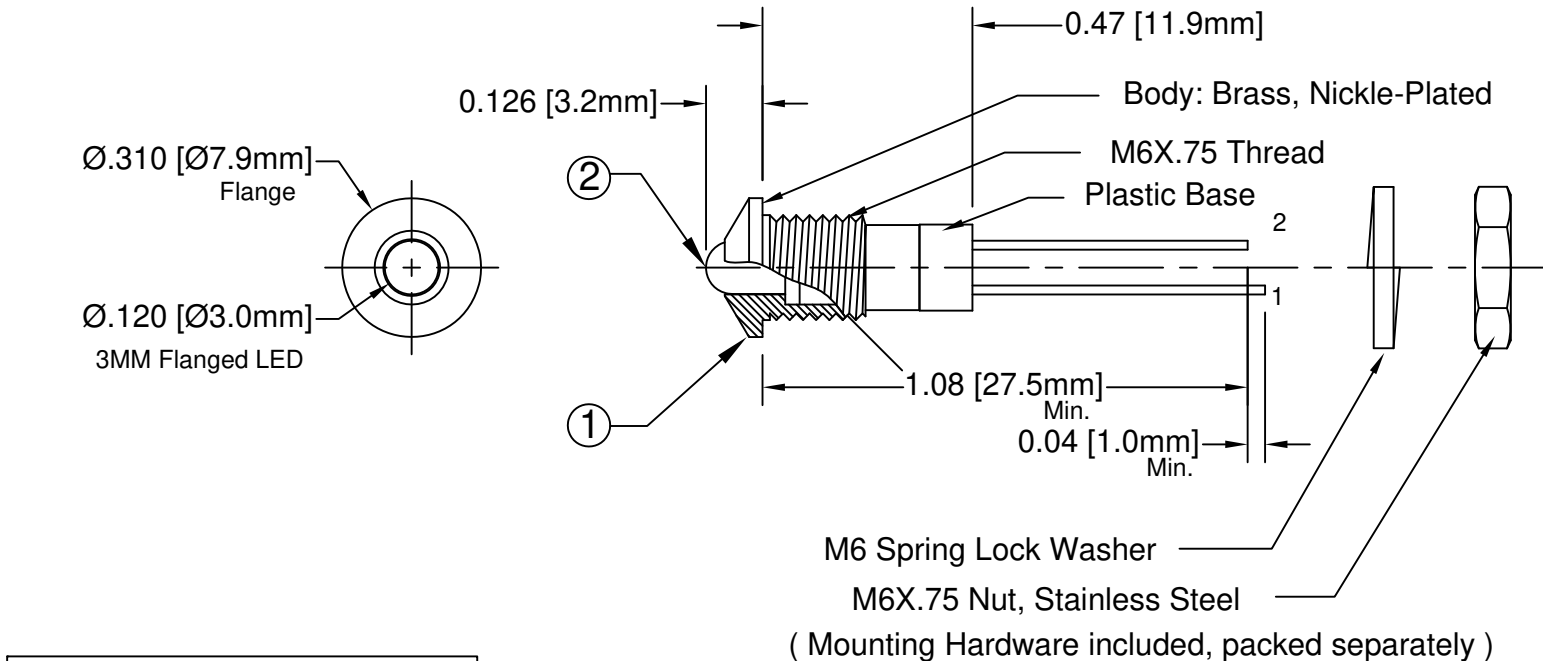
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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

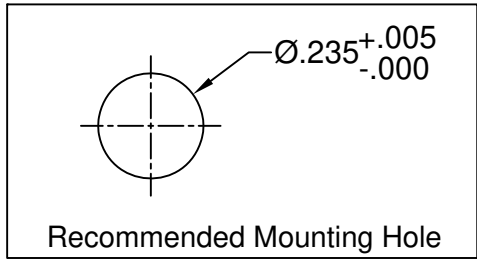


ITEM	Q'TY	PART NUMBER	PART DESCRIPTION
1	1	MPC3	Chrome Panel Mount Holder, 3mm
2	1	3XX-F	T-1 (3mm) Flanged LED, See Page 2 & 3

REV.	DESCRIPTION	DATE	APPROVED
A	Engineering Release.	10/31/03	M. C.
B	Engineering Update w/o Changes.	04/06/05	M. C.
C	Changed Holder Length from .43 to .47.	03/21/07	M. C.
D	LED Updates	11/07/11	T. Y.
E	Updated LED offering	05/03/12	T. Y.
F	Updated Bi-Color Polarity Table	12/18/12	T. Y.
G	Updated LED Optical Characteristics	09/14/15	J. C.



BI-COLOR POLARITY		
LED P/N	(1) Cathode	(2) Cathode
3BC-F	Green	Red
3BC-Y/G-F	Green	Yellow
3BC-R/Y-F	Yellow	Red
3BC-A/G-F	Green	Amber




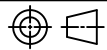
ABSOLUTE MAXIMUM RATINGS (Ta = 25°C)

- 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	
DECIMALS	ANGULAR		
.X ± .1	X° ± 1°	 TITLE: STD METAL PANEL MOUNT INDICATORS	
.XX ± .02			
.XXX ± .010			
DESIGNED: David Green	DATE: 10/31/03	PART NO: MPC3XX	REVISION: G
CHECKED: M. Chen	DATE: 10/31/03	CAGE CODE : 32559	SHEET # 1 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 2 θ ½ (Deg)	LED P/N	
	Material	Peak Wave Length	Emitted Color		If (mA)	Vf (V)		Iv (mcd)			
						MAX	TYP	MAX			TYP
MPC3BWC	GaN/SiC	430	BLUE	WATER CLEAR	25	4	4.5	15	20	3BWC-F	
MPC3BWD	GaN/SiC	430	BLUE	DIFFUSED	25	4	4.5	10	35	3BWD-F	
MPC3BWT	GaN/SiC	430	BLUE	TINTED	25	4	4.5	15	20	3BWT-F	
MPC3GC	GaP/GaP	568	GREEN	WATER CLEAR	30	2.1	2.8	40	20	3GC-F	
MPC3GD	GaP/GaP	568	GREEN	DIFFUSED	30	2.1	2.8	25	35	3GD-F	
MPC3GT	GaP/GaP	568	GREEN	TINTED	30	2.1	2.8	40	20	3GT-F	
MPC3PGC	GaP/GaP	555	PURE GREEN	WATER CLEAR	30	2.2	2.8	10	20	3PGC-F	
MPC3PGD	GaP/GaP	555	PURE GREEN	DIFFUSED	30	2.2	2.8	5	35	3PGD-F	
MPC3PGT	GaP/GaP	555	PURE GREEN	TINTED	30	2.2	2.8	10	20	3PGT-F	
MPC3YC	GaAsP/GaP	590	YELLOW	WATER CLEAR	30	2	2.8	40	20	3YC-F	
MPC3YD	GaAsP/GaP	590	YELLOW	DIFFUSED	30	2	2.8	20	35	3YD-F	
MPC3YT	GaAsP/GaP	590	YELLOW	TINTED	30	2	2.8	40	20	3YT-F	
MPC3AC	GaAsP/GaP	605	AMBER	WATER CLEAR	30	2	2.8	40	20	3AC-F	
MPC3AD	GaAsP/GaP	605	AMBER	DIFFUSED	30	2	2.8	25	35	3AD-F	
MPC3AT	GaAsP/GaP	605	AMBER	TINTED	30	2	2.8	40	20	3AT-F	
MPC3HC	GaAsP/GaP	625	HE RED	WATER CLEAR	30	2	2.8	50	20	3HC-F	
MPC3HD	GaAsP/GaP	625	HE RED	DIFFUSED	30	2	2.8	30	35	3HD-F	
MPC3HT	GaAsP/GaP	625	HE RED	TINTED	30	2	2.8	50	20	3HT-F	
MPC3RC	GaP/GaP	700	RED	WATER CLEAR	20	2.1	2.8	2.5	35	3RC-F	
MPC3RD	GaP/GaP	700	RED	DIFFUSED	20	2.1	2.8	2	20	3RD-F	
MPC3RT	GaP/GaP	700	RED	TINTED	20	2.1	2.8	2.5	20	3RT-F	
MPC3BC-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			
MPC3BC	GaAsP/GaP	625	RED	DIFFUSED	30	2.0	2.8	6	45	3BC-F	
	GaP/GaP	568	GREEN		30	2.1	2.8	6			
MPC3BC-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			
MPC3BC-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 <u>ANGULAR</u>		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
X° ± 5°			
		TITLE: STD METAL PANEL MOUNT INDICATORS	
		DESIGNED: David Green	DATE: 10/31/03
CHECKED: M. Chen		DATE: 10/31/03	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
MPC3UBWC	GaN/SiC	470	BLUE	WATER CLEAR	30	4	4.5	400	30	3UBWC-0.6K-F	
MPC3SGC	GaP/GaP	568	GREEN	WATER CLEAR	30	2.1	2.8	50	20	3SGC-F	
MPC3SGD	GaP/GaP	568	GREEN	DIFFUSED	30	2.1	2.8	30	35	3SGD-F	
MPC3SGT	GaP/GaP	568	GREEN	TINTED	30	2.1	2.8	50	20	3SGT-F	
MPC3SYC	GaAsP/GaP	590	YELLOW	WATER CLEAR	30	2.0	2.8	50	20	3SYC-F	
MPC3SYD	GaAsP/GaP	590	YELLOW	DIFFUSED	30	2.0	2.8	30	35	3SYD-F	
MPC3SYT	GaAsP/GaP	590	YELLOW	TINTED	30	2.0	2.8	50	20	3SYT-F	
MPC3SAC	AlGaInP	605	AMBER	WATER CLEAR	30	1.8	2.4	300	20	3SAC-F	
MPC3SAD	AlGaInP	605	AMBER	DIFFUSED	30	1.8	2.4	100	35	3SAD-F	
MPC3SAT	AlGaInP	605	AMBER	TINTED	30	1.8	2.4	300	20	3SAT-F	
MPC3SRC	GaAlAs/GaAs	645	SUPER RED	WATER CLEAR	30	1.7	2.4	60	20	3SRC-F	
MPC3SRD	GaAlAs/GaAs	645	SUPER RED	DIFFUSED	30	1.7	2.4	40	35	3SRD-F	
MPC3SRT	GaAlAs/GaAs	645	SUPER RED	TINTED	30	1.7	2.4	60	20	3SRT-F	
MPC3UGC	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	200	20	3UGC-F	
MPC3UGC	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	300	35	3SUGC-F	
MPC3UYC	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	300	20	3UYC-F	
MPC3SUYC	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	400	20	3SUYC-F	
MPC3UUYC	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	600	35	3UUYC-F	
MPC3UOC	AlGaInP	625	ORANGE	WATER CLEAR	30	1.8	2.4	300	20	3UOC-F	
MPC3SUOC	AlGaInP	625	ORANGE	WATER CLEAR	30	1.8	2.4	400	20	3SUOC-F	
MPC3URC	GaAlAs/GaAs	645	RED	WATER CLEAR	30	1.7	2.4	200	35	3URC-F	
MPC3SURC	AlGaInP	640	RED	WATER CLEAR	30	1.8	2.4	200	20	3SURC-F	
MPC3UWC	InGaN/Sapphire	6500K	WHITE	WATER CLEAR	30	3.2	3.6	6000	35	3UWC1.035C-F	

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) ±10% ALL VALUES		ANGULAR X° ± 5°		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
DESIGNED: David Green		DATE: 10/31/03			
CHECKED: M. Chen		DATE: 10/31/03		CAGE CODE : 32559 SHEET # 3 OF 4 CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.	

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		
MPC3BVDL	GaN/siC	430	BLUE	DIFFUSED	20	7	-	3.8	4.2	2.5	35	3BVDL-F
MPC3GDL	GaP/GaP	568	GREEN	DIFFUSED	10	7	-	2.1	2.6	4.0	35	3GDL-F
MPC3PGDL	GaP/GaP	555	PURE GREEN	DIFFUSED	10	7	-	2.1	2.6	0.2	35	3PGDL-F
MPC3YDL	GaAsP/GaP	590	YELLOW	DIFFUSED	10	7	-	2.0	2.6	2.0	35	3YDL-F
MPC3ADL	GaAsP/GaP	605	AMBER	DIFFUSED	10	7	-	2.0	2.6	4.0	35	3ADL-F
MPC3HDL	GaAsP/GaP	625	HE RED	DIFFUSED	10	7	-	2.0	2.6	2.5	35	3HDL-F
MPC3RDL	GaP/GaP	700	RED	DIFFUSED	10	7	-	2.1	2.6	0.5	35	3RDL-F
MPC3SRDL	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 θ½ (Deg)	LED P/N
				If (mA)	Vf (V)		Iv (mcd)		
					MAX	TYP	MAX		
5 Volt				Data @ 5V					
MPC3BWD5V	BLUE	430	DIFFUSED	-	-	5	10	35	3BWD5V-F
MPC3GC5V	GREEN	568	WATER CLEAR	-	-	5	40	20	3GC5V-F
MPC3GD5V	GREEN	568	DIFFUSED	-	-	5	25	35	3GD5V-F
MPC3GT5V	GREEN	568	TINTED	-	-	5	40	20	3GT5V-F
MPC3AD5V	AMBER	605	DIFFUSED	-	-	5	25	35	3AD5V-F
MPC3HD5V	HE RED	625	DIFFUSED	-	-	5	30	35	3HD5V-F
MPC3RD5V	RED	700	DIFFUSED	-	-	5	2	35	3RD5V-F
MPC3YD5V	YELLOW	590	DIFFUSED	-	-	5	20	35	3YD5V-F
12 Volt				Data @ 12V					
MPC3GC12V	GREEN	568	WATER CLEAR	-	-	12	40	20	3GC12V-F
MPC3GD12V	GREEN	568	DIFFUSED	-	-	12	25	35	3GD12V-F
MPC3HC12V	HE RED	625	WATER CLEAR	-	-	12	50	20	3HC12V-F
MPC3HD12V	HE RED	625	DIFFUSED	-	-	12	30	35	3HD12V-F
MPC3RC12V	RED	700	WATER CLEAR	-	-	12	6	20	3RC12V-F
MPC3RD12V	RED	700	DIFFUSED	-	-	12	2	35	3RD12V-F
MPC3YC12V	YELLOW	590	WATER CLEAR	-	-	12	40	20	3YC12V-F
MPC3YD12V	YELLOW	590	DIFFUSED	-	-	12	25	35	3YD12V-F

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ANGULAR X° ± 5°			
		TITLE: STD METAL PANEL MOUNT INDICATORS	
DESIGNED: David Green	DATE: 10/31/03	PART NO: MPC3XX	REVISION: G
CHECKED: M. Chen	DATE: 10/31/03	CAGE CODE : 32559	SHEET # 4 OF 4
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