



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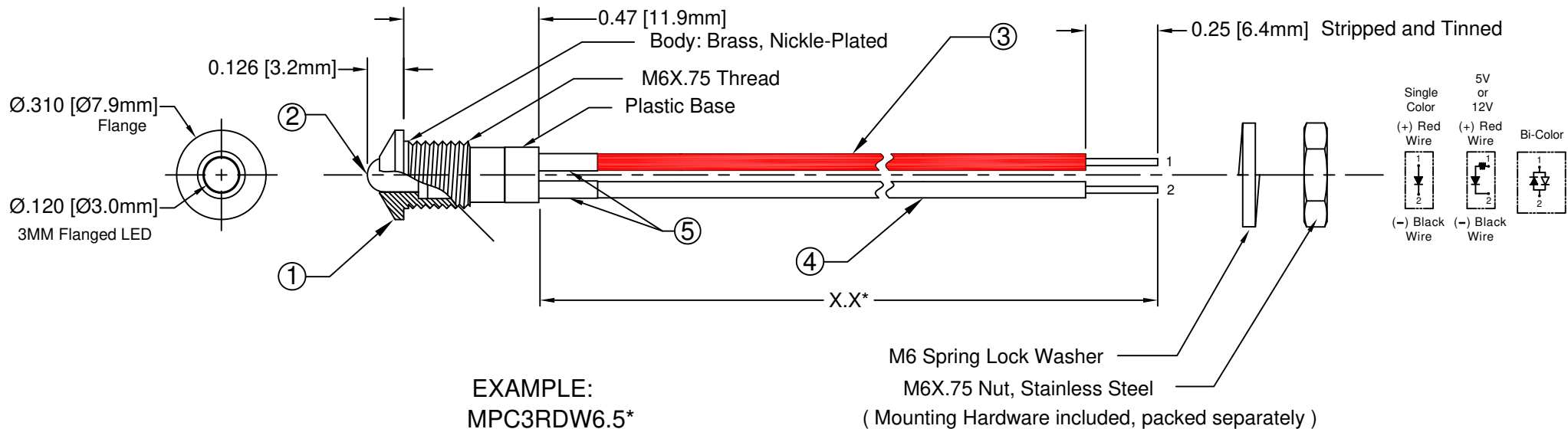
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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



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

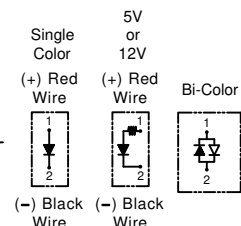
REV.	DESCRIPTION	DATE	APPROVED
A	Engineering Release.	07/27/07	M. C.
B	Updated 3UWC-0.6K-F with 3UWC1.035C-F	04/26/12	T. Y.
C	Updated LED offering	05/03/12	T. Y.
D	Updated Bi-Color Polarity Table	12/18/12	T. Y.
E	Edit Part Number on Page 2	11/11/13	G. W.
F	Updated LED Optical Characteristics	09/14/15	J. C.



EXAMPLE:
MPC3RDW6.5*

Series
LED Color, Lens Appearance
Wire Length in inches

M6 Spring Lock Washer
M6X.75 Nut, Stainless Steel
(Mounting Hardware included, packed separately)



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 W/ WIRES PART NO: MPC3XXWX.X REVISION: F	
.XX ± .02			
.XXX ± .010			
DESIGNED: Dan Beckman	DATE: 07/27/07	CAGE CODE : 32559 SHEET # 1 OF 4 <small>CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.</small>	
CHECKED: T. Yin	DATE: 07/27/07		



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
MPC3BWCWX.X	GaN/SiC	430	BLUE	WATER CLEAR	25	4	4.5	15	20	3BWC-F	
MPC3BWDWX.X	GaN/SiC	430	BLUE	DIFFUSED	25	4	4.5	10	35	3BWD-F	
MPC3BWTWX.X	GaN/SiC	430	BLUE	TINTED	25	4	4.5	15	20	3BWT-F	
MPC3GCWX.X	GaP/GaP	568	GREEN	WATER CLEAR	30	2.1	2.8	40	20	3GC-F	
MPC3GDWX.X	GaP/GaP	568	GREEN	DIFFUSED	30	2.1	2.8	25	35	3GD-F	
MPC3GTWX.X	GaP/GaP	568	GREEN	TINTED	30	2.1	2.8	40	20	3GT-F	
MPC3PGCWX.X	GaP/GaP	555	PURE GREEN	WATER CLEAR	30	2.2	2.8	10	20	3PGC-F	
MPC3PGDWX.X	GaP/GaP	555	PURE GREEN	DIFFUSED	30	2.2	2.8	5	35	3PGD-F	
MPC3PGTWX.X	GaP/GaP	555	PURE GREEN	TINTED	30	2.2	2.8	10	20	3PGT-F	
MPC3YCWX.X	GaAsP/GaP	590	YELLOW	WATER CLEAR	30	2	2.8	40	20	3YC-F	
MPC3YDWX.X	GaAsP/GaP	590	YELLOW	DIFFUSED	30	2	2.8	20	35	3YD-F	
MPC3YTWX.X	GaAsP/GaP	590	YELLOW	TINTED	30	2	2.8	40	20	3YT-F	
MPC3ACWX.X	GaAsP/GaP	605	AMBER	WATER CLEAR	30	2	2.8	40	20	3AC-F	
MPC3ADWX.X	GaAsP/GaP	605	AMBER	DIFFUSED	30	2	2.8	25	35	3AD-F	
MPC3ATWX.X	GaAsP/GaP	605	AMBER	TINTED	30	2	2.8	40	20	3AT-F	
MPC3HCWX.X	GaAsP/GaP	625	HE RED	WATER CLEAR	30	2	2.8	50	20	3HC-F	
MPC3HDWX.X	GaAsP/GaP	625	HE RED	DIFFUSED	30	2	2.8	30	35	3HD-F	
MPC3HTWX.X	GaAsP/GaP	625	HE RED	TINTED	30	2	2.8	50	20	3HT-F	
MPC3RCWX.X	GaP/GaP	700	RED	WATER CLEAR	20	2.1	2.8	2.5	35	3RC-F	
MPC3RDWX.X	GaP/GaP	700	RED	DIFFUSED	20	2.1	2.8	2	20	3RD-F	
MPC3RTWX.X	GaP/GaP	700	RED	TINTED	20	2.1	2.8	2.5	20	3RT-F	
MPC3BCWX.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			
MPC3BCWX.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			
MPC3BCWX.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			
MPC3BCWX.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 X° ± 5°		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
			
DESIGNED: Dan Beckman	DATE: 07/27/07	TITLE: STD METAL PANEL MOUNT INDICATORS W/ WIRES	
CHECKED: T. Yin	DATE: 07/27/07	PART NO: MPC3XXWX.X	REVISION: F
		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 2 θ ½ (Deg)	LED P/N
	Material	Peak Wave Length	Emitted Color		If (mA)	Vf (V)		Iv (mcd)		
					MAX	TYP	MAX	TYP		
MPC3UBWCWX.X	GaN/SiC	470	BLUE	WATER CLEAR	30	4	4.5	400	30	3UBWC-0.6K-F
MPC3SGCWX.X	GaP/GaP	568	GREEN	WATER CLEAR	30	2.1	2.8	50	20	3SGC-F
MPC3SGDWX.X	GaP/GaP	568	GREEN	DIFFUSED	30	2.1	2.8	30	35	3SGD-F
MPC3SGTWX.X	GaP/GaP	568	GREEN	TINTED	30	2.1	2.8	50	20	3SGT-F
MPC3SYCWX.X	GaAsP/GaP	590	YELLOW	WATER CLEAR	30	2.0	2.8	50	20	3SYC-F
MPC3SYDWX.X	GaAsP/GaP	590	YELLOW	DIFFUSED	30	2.0	2.8	30	35	3SYD-F
MPC3SYTWX.X	GaAsP/GaP	590	YELLOW	TINTED	30	2.0	2.8	50	20	3SYT-F
MPC3SACWX.X	AlGaInP	605	AMBER	WATER CLEAR	30	1.8	2.4	300	20	3SAC-F
MPC3SADWX.X	AlGaInP	605	AMBER	DIFFUSED	30	1.8	2.4	100	35	3SAD-F
MPC3SATWX.X	AlGaInP	605	AMBER	TINTED	30	1.8	2.4	300	20	3SAT-F
MPC3SRCWX.X	GaAlAs/GaAs	645	SUPER RED	WATER CLEAR	30	1.7	2.4	60	20	3SRC-F
MPC3SRDWX.X	GaAlAs/GaAs	645	SUPER RED	DIFFUSED	30	1.7	2.4	40	35	3SRD-F
MPC3SRTWX.X	GaAlAs/GaAs	645	SUPER RED	TINTED	30	1.7	2.4	60	20	3SRT-F
MPC3UGCWX.X	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	200	20	3UGC-F
MPC3UGCWX.X	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	300	35	3SUGC-F
MPC3UYCWX.X	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	300	20	3UYC-F
MPC3SUYCWX.X	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	400	20	3SUYC-F
MPC3UUWCWX.X	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	600	35	3UUWC-F
MPC3UOCWX.X	AlGaInP	625	ORANGE	WATER CLEAR	30	1.8	2.4	300	20	3UOC-F
MPC3SUOCWX.X	AlGaInP	625	ORANGE	WATER CLEAR	30	1.8	2.4	400	20	3SUOC-F
MPC3URCWX.X	GaAlAs/GaAs	645	RED	WATER CLEAR	30	1.7	2.4	200	35	3URC-F
MPC3SURCWX.X	AlGaInP	640	RED	WATER CLEAR	30	1.8	2.4	200	20	3SURC-F
MPC3UWCWX.X	InGaN/Sapphire	6500K	WHITE	WATER CLEAR	30	3.2	3.6	6000	35	3UWC1.035C-F

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) ±10% ALL VALUES		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
ANGULAR X° ± 5°			
		TITLE: STD METAL PANEL MOUNT INDICATORS W/ WIRES	
DESIGNED: Dan Beckman	DATE: 07/27/07	PART NO: MPC3XXWX.X	REVISION: F
CHECKED: T. Yin	DATE: 07/27/07	CAGE CODE : 32559	SHEET # 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		
MPC3BVDLWX.X	GaN/siC	430	BLUE	DIFFUSED	20	7	-	3.8	4.2	2.5	35	3BVDL-F
MPC3GDLWX.X	GaP/GaP	568	GREEN	DIFFUSED	10	7	-	2.1	2.6	4.0	35	3GDL-F
MPC3PGDLWX.X	GaP/GaP	555	PURE GREEN	DIFFUSED	10	7	-	2.1	2.6	0.2	35	3PGDL-F
MPC3YDLWX.X	GaAsP/GaP	590	YELLOW	DIFFUSED	10	7	-	2.0	2.6	2.0	35	3YDL-F
MPC3ADLWX.X	GaAsP/GaP	605	AMBER	DIFFUSED	10	7	-	2.0	2.6	4.0	35	3ADL-F
MPC3HDLWX.X	GaAsP/GaP	625	RED	DIFFUSED	10	7	-	2.0	2.6	2.5	35	3HDL-F
MPC3RDLWX.X	GaP/GaP	700	RED	DIFFUSED	10	7	-	2.1	2.6	0.5	35	3RDL-F
MPC3SRDLWX.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			
5 Volt				Data @ 5V					
MPC3BWD5VWX.X	430	BLUE	DIFFUSED	-	-	5	10	35	3BWD5V-F
MPC3GC5VWX.X	568	GREEN	WATER CLEAR	-	-	5	40	20	3GC5V-F
MPC3GD5VWX.X	568	GREEN	DIFFUSED	-	-	5	25	35	3GD5V-F
MPC3GT5VWX.X	568	GREEN	TINTED	-	-	5	40	20	3GT5V-F
MPC3AD5VWX.X	605	AMBER	DIFFUSED	-	-	5	25	35	3AD5V-F
MPC3HD5VWX.X	625	HE RED	DIFFUSED	-	-	5	30	35	3HD5V-F
MPC3RD5VWX.X	700	RED	DIFFUSED	-	-	5	2	35	3RD5V-F
MPC3YD5VWX.X	590	YELLOW	DIFFUSED	-	-	5	20	35	3YD5V-F
12 Volt				Data @ 12V					
MPC3GC12VWX.X	568	GREEN	WATER CLEAR	-	-	12	40	20	3GC12V-F
MPC3GD12VWX.X	568	GREEN	DIFFUSED	-	-	12	25	35	3GD12V-F
MPC3HC12VWX.X	625	RED	WATER CLEAR	-	-	12	50	20	3HC12V-F
MPC3HD12VWX.X	625	RED	DIFFUSED	-	-	12	30	35	3HD12V-F
MPC3RC12VWX.X	700	RED	WATER CLEAR	-	-	12	6	20	3RC12V-F
MPC3RD12VWX.X	700	RED	DIFFUSED	-	-	12	2	35	3RD12V-F
MPC3YC12VWX.X	590	YELLOW	WATER CLEAR	-	-	12	40	20	3YC12V-F
MPC3YD12VWX.X	590	YELLOW	DIFFUSED	-	-	12	25	35	3YD12V-F

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
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CHECKED: T. Yin		DATE: 07/27/07		CAGE CODE : 32559 SHEET # 4 OF 4 <small>CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.</small>