



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

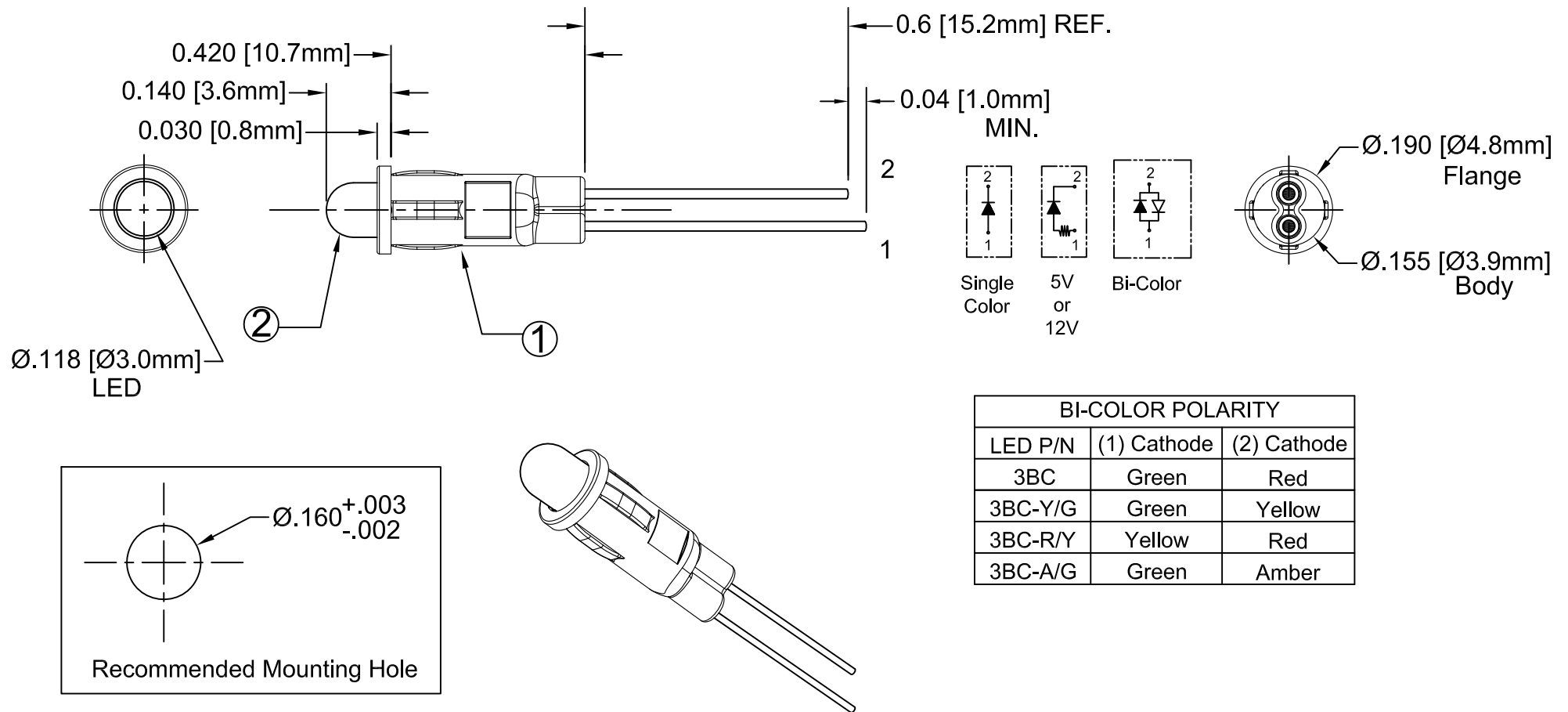
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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



ITEM	Q'TY	PART NUMBER	PART DESCRIPTION
1	1	PM3-XXX	LED Holder, Panel Mount, Press Fit, (3mm) PM3 (Standard LED), PM3-5V (5V LED), & PM3-12V (12V LED)
2	1	3XXX-S	T-1 (3mm) Non-Flange, See Following Pages

REV.	DESCRIPTION	DATE	APPROVED
A	Engineering Release	09/15/06	M. C.
B	LED Lead Change to -S	12/13/10	T.Y.
C	Updated LED Offering	09/01/11	T.Y.
D	Updated LED Offering	05/01/12	T.Y.
E	Updated BOM item 1	11/12/12	T.Y.





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 ® 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
DECIMALS	ANGULAR		
.X ±.1	X° ± 1°	 TITLE: STD PANEL MOUNT INDICATORS	
.XX ±.02			
.XXX ±.010			
DESIGNED: Dan Beckman	DATE: 09/15/06	PART NO: PM3XXX	REVISION: E
CHECKED: T. Yin	DATE: 09/15/06	CAGE CODE : 32559	SHEET # 1 OF 4
CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.			


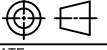
REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET#1.		

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
PM3BWC	GaN/SiC	430	BLUE	WATER CLEAR	25	4	4.5	25	30	3BWC-S	
PM3BWD	GaN/SiC	430	BLUE	DIFFUSED	25	4	4.5	10	40	3BWD-S	
PM3BWT	GaN/SiC	430	BLUE	TINTED	25	4	4.5	25	30	3BWT-S	
PM3GC	GaP/GaP	568	GREEN	WATER CLEAR	30	2.1	2.8	40	30	3GC-S	
PM3GD	GaP/GaP	568	GREEN	DIFFUSED	30	2.1	2.8	25	40	3GD-S	
PM3GT	GaP/GaP	568	GREEN	TINTED	30	2.1	2.8	40	30	3GT-S	
PM3PGC	GaP/GaP	555	PURE GREEN	WATER CLEAR	30	2.2	2.8	10	30	3PGC-S	
PM3PGD	GaP/GaP	555	PURE GREEN	DIFFUSED	30	2.2	2.8	5	40	3PGD-S	
PM3PGT	GaP/GaP	555	PURE GREEN	TINTED	30	2.2	2.8	10	30	3PGT-S	
PM3YC	GaAsP/GaP	590	YELLOW	WATER CLEAR	30	2	2.8	40	30	3YC-S	
PM3YD	GaAsP/GaP	590	YELLOW	DIFFUSED	30	2	2.8	20	40	3YD-S	
PM3YT	GaAsP/GaP	590	YELLOW	TINTED	30	2	2.8	40	30	3YT-S	
PM3AC	GaAsP/GaP	605	AMBER	WATER CLEAR	30	2	2.8	40	30	3AC-S	
PM3AD	GaAsP/GaP	605	AMBER	DIFFUSED	30	2	2.8	25	40	3AD-S	
PM3AT	GaAsP/GaP	605	AMBER	TINTED	30	2	2.8	40	30	3AT-S	
PM3HC	GaAsP/GaP	625	HE RED	WATER CLEAR	30	2	2.8	50	30	3HC-S	
PM3HD	GaAsP/GaP	625	HE RED	DIFFUSED	30	2	2.8	30	40	3HD-S	
PM3HT	GaAsP/GaP	625	HE RED	TINTED	30	2	2.8	50	30	3HT-S	
PM3RC	GaP/GaP	700	RED	WATER CLEAR	20	2.1	2.8	2.5	30	3RC-S	
PM3RD	GaP/GaP	700	RED	DIFFUSED	20	2.1	2.8	2	40	3RD-S	
PM3RT	GaP/GaP	700	RED	TINTED	20	2.1	2.8	2.5	30	3RT-S	
PM3BC-A/G	GaAsP/GaP	605	AMBER	DIFFUSED	30	2.0	2.8	6	45	3BC-A/G	
	GaP/GaP	568	GREEN		30	2.1	2.8	6			
PM3BC	GaAsP/GaP	625	RED	DIFFUSED	30	2.0	2.8	6	45	3BC	
	GaP/GaP	568	GREEN		30	2.1	2.8	6			
PM3BC-R/Y	GaAsP/GaP	625	RED	DIFFUSED	30	2.0	2.8	6	45	3BC-R/Y	
	GaAsP/GaP	590	YELLOW		30	2.0	2.8	4			
PM3BC-Y/G	GaAsP/GaP	590	YELLOW	DIFFUSED	30	2.0	2.8	4	45	3BC-Y/G	
	GaP/GaP	568	GREEN		30	2.1	2.8	6			

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) ±10% ALL VALUES		 BIVAR [®] 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
ANGULAR X° ± 5°			
		TITLE: STD PANEL MOUNT INDICATORS	
DESIGNED: Dan Beckman	DATE: 09/15/06	PART NO: PM3XXX	REVISION: E
CHECKED: T. Yln	DATE: 09/15/06	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
PM3UBWC	GaN/SiC	470	BLUE	WATER CLEAR	30	4	4.5	400	30	3UBWC-0.6K	
PM3SGC	GaP/GaP	568	GREEN	WATER CLEAR	30	2.1	2.8	50	30	3SGC-S	
PM3SGD	GaP/GaP	568	GREEN	DIFFUSED	30	2.1	2.8	30	40	3SGD-S	
PM3SGT	GaP/GaP	568	GREEN	TINTED	30	2.1	2.8	50	30	3SGT-S	
PM3SYC	GaAsP/GaP	590	YELLOW	WATER CLEAR	30	2.0	2.8	50	30	3SYC-S	
PM3SYD	GaAsP/GaP	590	YELLOW	DIFFUSED	30	2.0	2.8	30	40	3SYD-S	
PM3SYT	GaAsP/GaP	590	YELLOW	TINTED	30	2.0	2.8	50	30	3SYT-S	
PM3SAC	AlGaInP	605	AMBER	WATER CLEAR	30	1.8	2.4	300	30	3SAC-S	
PM3SAD	AlGaInP	605	AMBER	DIFFUSED	30	1.8	2.4	100	40	3SAD-S	
PM3SAT	AlGaInP	605	AMBER	TINTED	30	1.8	2.4	300	30	3SAT-S	
PM3SRC	GaAlAs/GaAs	645	SUPER RED	WATER CLEAR	30	1.7	2.4	60	30	3SRC-S	
PM3SRD	GaAlAs/GaAs	645	SUPER RED	DIFFUSED	30	1.7	2.4	40	40	3SRD-S	
PM3SRT	GaAlAs/GaAs	645	SUPER RED	TINTED	30	1.7	2.4	60	30	3SRT-S	
PM3UGC	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	200	30	3UGC-S	
PM3UGC	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	300	30	3UGC-S	
PM3UYC	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	300	30	3UYC-S	
PM3UYC	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	400	30	3UYC-S	
PM3UUYC	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	600	30	3UUYC-S	
PM3UOC	AlGaInP	625	ORANGE	WATER CLEAR	30	1.8	2.4	300	30	3UOC-S	
PM3UOC	AlGaInP	625	ORANGE	WATER CLEAR	30	1.8	2.4	400	30	3UOC-S	
PM3URC	GaAlAs/GaAs	645	RED	WATER CLEAR	30	1.7	2.4	200	30	3URC-S	
PM3SURC	AlGaInP	640	RED	WATER CLEAR	30	1.8	2.4	200	30	3SURC-S	
PM3UWC	InGaN/Sapphire	6500K	WHITE	WATER CLEAR	30	3.4	3.8	1000	30	3UWC1.030C	

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) ±10% ALL VALUES		 BIVAR [®] 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
ANGULAR X° ± 5°			
		TITLE: STD PANEL MOUNT INDICATORS	
DESIGNED: Dan Beckman	DATE: 09/15/06	PART NO: PM3XXX	REVISION: E
CHECKED: T. Yin	DATE: 09/15/06	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		
PM3BWDL	GaN/siC	430	BLUE	DIFFUSED	20	7	-	3.8	4.2	2.5	40	3BWDL-S
PM3GDL	GaP/GaP	568	GREEN	DIFFUSED	10	7	-	2.1	2.6	2.0	40	3GDL-S
PM3PGDL	GaP/GaP	555	PURE GREEN	DIFFUSED	10	7	-	2.1	2.6	0.2	40	3PGDL-S
PM3YDL	GaAsP/GaP	590	YELLOW	DIFFUSED	10	7	-	2.0	2.6	2.0	40	3YDL-S
PM3ADL	GaAsP/GaP	605	AMBER	DIFFUSED	10	7	-	2.0	2.6	4.0	40	3ADL-S
PM3HDL	GaAsP/GaP	625	HE RED	DIFFUSED	10	7	-	2.0	2.6	2.5	40	3HDL-S
PM3RDL	GaP/GaP	700	RED	DIFFUSED	10	7	-	2.1	2.6	0.5	40	3RDL-S
PM3SRDL	GaAlAs/GaAs	645	RED	DIFFUSED	10	7	-	2.0	-	8.0	40	3SRDL-S

Assembly P/N	Peak Wave Length λp(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			TYP
5 Volt				Data @ 5V						
PM3BWD5V	430	BLUE	DIFFUSED	-	-	5	10	35	3BWD5V-S	
PM3GC5V	568	GREEN	WATER CLEAR	-	-	5	40	20	3GC5V-S	
PM3GD5V	568	GREEN	DIFFUSED	-	-	5	25	35	3GD5V-S	
PM3GT5V	568	GREEN	TINTED	-	-	5	40	20	3GT5V-S	
PM3AD5V	605	AMBER	DIFFUSED	-	-	5	25	35	3AD5V-S	
PM3HD5V	625	HE RED	DIFFUSED	-	-	5	30	35	3HD5V-S	
PM3RD5V	700	RED	DIFFUSED	-	-	5	2	35	3RD5V-S	
PM3YD5V	590	YELLOW	DIFFUSED	-	-	5	20	35	3YD5V-S	
12 Volt				Data @ 12V						
PM3GC12V	568	GREEN	WATER CLEAR	-	-	12	40	20	3GC12V-S	
PM3GD12V	568	GREEN	DIFFUSED	-	-	12	25	35	2GD12V-S	
PM3HC12V	625	HE RED	WATER CLEAR	-	-	12	50	20	3HC12V-S	
PM3HD12V	625	HE RED	DIFFUSED	-	-	12	30	35	3HD12V-S	
PM3RC12V	700	RED	WATER CLEAR	-	-	12	6	20	3RC12V-S	
PM3RD12V	700	RED	DIFFUSED	-	-	12	2	35	3RD12V-S	
PM3YC12V	590	YELLOW	WATER CLEAR	-	-	12	40	20	3YC12V-S	
PM3YD12V	590	YELLOW	DIFFUSED	-	-	12	25	35	3YD12V-S	

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) ±10% ALL VALUES		 BIVAR [®] 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
ANGULAR X° ± 5°			
		TITLE: STD PANEL MOUNT INDICATORS	
DESIGNED: Dan Beckman	DATE: 09/15/06	PART NO: PM3XXX	REVISION: E
CHECKED: T. Yin	DATE: 09/15/06	CAGE CODE : 32559	SHEET # 4 OF 4
CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.			