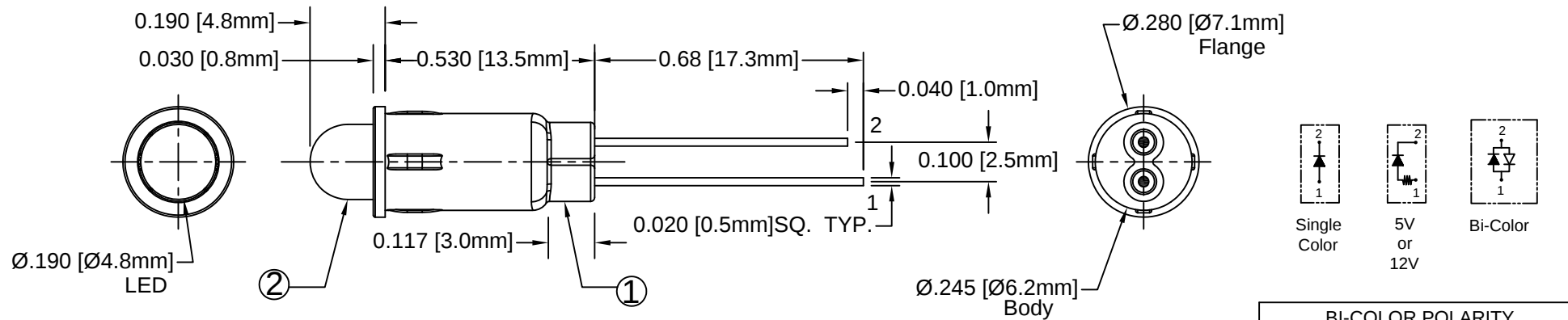
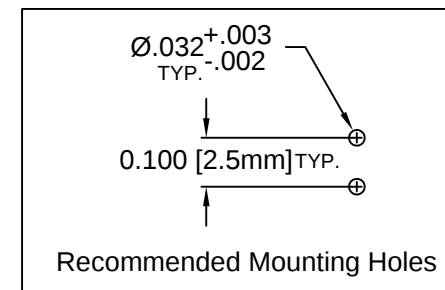
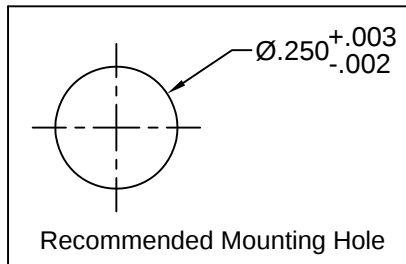
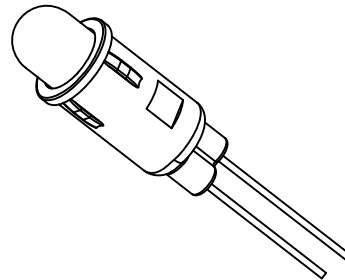


ITEM	Q'TY	PART NUMBER	PART DESCRIPTION
1	1	PM5-XXX	LED holder, Panel Mount, Press Fit (5mm) PM5 (Standard LED), PM5-5V (5V LED), & PM5-12V (12V LED)
2	1	5XX	T1 ¾ (5mm) Non-Flange LED, See Following Pages

REV.	DESCRIPTION	DATE	APPROVED
A	Engineering Release.	12/20/05	M. C.
B	Added Bi-Color Specs.	02/09/10	T. Y.
C	Updated LED Offering.	05/01/12	T. Y.
D	Updated BOM item 1.	11/13/12	T. Y.
E	Updated LED Optical Characteristics.	09/15/15	J. C.



BI-COLOR POLARITY		
LED P/N	(1) Cathode	(2) Cathode
5BC	Green	Red
5BC-Y/G	Green	Yellow
5BC-R/Y	Yellow	Red
5BC-A/G	Green	Amber



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)			
<u>DECIMALS</u>	<u>ANGULAR</u>	4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
.X ± .1	X° ± 1°	 TITLE: STD PANEL MOUNT INDICATORS	
.XX ± .02			
.XXX ± .010			
DESIGNED:	DATE:	PART NO:	
Sonny Dam	12/20/05	PM5XX	
		REVISION	
		E	
CHECKED:	DATE:	CAGE CODE : 32559	
T. Yin	12/20/05	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 1/2 (Deg)	LED P/N		
	Material	Peak Wave Length	Emitted Color		If (mA)	Vf (V)		Iv (mcd)				
						MAX	TYP	MAX	TYP			
PM5BWC	GaN/SiC	430	BLUE	WATER CLEAR	25	4.0	4.5	25	20	5BWC		
PM5BWD	GaN/SiC	430	BLUE	DIFFUSED	25	4.0	4.5	15	45	5BWD		
PM5BWT	GaN/SiC	430	BLUE	TINTED	25	4.0	4.5	30	20	5BWT		
PM5GC	GaP/GaP	568	GREEN	WATER CLEAR	30	2.1	2.8	40	35	5GC		
PM5GD	GaP/GaP	568	GREEN	DIFFUSED	30	2.1	2.8	25	45	5GD		
PM5GT	GaP/GaP	568	GREEN	TINTED	30	2.1	2.8	40	35	5GT		
PM5PGC	GaP/GaP	555	PURE GREEN	WATER CLEAR	30	2.2	2.8	10	35	5PGC		
PM5PGD	GaP/GaP	555	PURE GREEN	DIFFUSED	30	2.2	2.8	10	45	5PGD		
PM5PGT	GaP/GaP	555	PURE GREEN	TINTED	30	2.2	2.8	10	35	5PGT		
PM5YC	GaAsp/GaP	590	YELLOW	WATER CLEAR	30	2.0	2.8	40	35	5YC		
PM5YD	GaAsp/GaP	590	YELLOW	DIFFUSED	30	2.0	2.8	25	45	5YD		
PM5YT	GaAsp/GaP	590	YELLOW	TINTED	30	2.0	2.8	40	35	5YT		
PM5AC	GaAsp/GaP	605	AMBER	WATER CLEAR	30	2.0	2.8	40	35	5AC		
PM5AD	GaAsp/GaP	605	AMBER	DIFFUSED	30	2.0	2.8	25	45	5AD		
PM5AT	GaAsp/GaP	605	AMBER	TINTED	30	2.0	2.8	40	35	5AT		
PM5HC	GaAsp/GaP	625	HE RED	WATER CLEAR	30	2.0	2.8	40	35	5HC		
PM5HD	GaAsp/GaP	625	HE RED	DIFFUSED	30	2.0	2.8	25	45	5HD		
PM5HT	GaAsp/GaP	625	HE RED	TINTED	30	2.0	2.8	40	35	5HT		
PM5RC	GaP/GaP	700	RED	WATER CLEAR	20	2.1	2.8	2	35	5RC		
PM5RD	GaP/GaP	700	RED	DIFFUSED	20	2.1	2.8	2	45	5RD		
PM5RT	GaP/GaP	700	RED	TINTED	20	2.1	2.8	2	35	5RT		
PM5BC-A/G	GaAsp/GaP	605	AMBER	WHITE DIFFUSED	30	2.0	2.8	6	45	5BC-A/G		
	GaP/GaP	568	GREEN		30	2.1	2.8	6				
PM5BC	GaAsp/GaP	625	RED	WHITE DIFFUSED	30	2.0	2.8	6	45	5BC		
	GaP/GaP	568	GREEN		30	2.1	2.8	8				
PM5BC-R/Y	GaAsp/GaP	625	RED	WHITE DIFFUSED	30	2.0	2.8	6	45	5BC-R/Y		
	GaP/GaP	590	YELLOW		30	2.0	2.8	5				
PM5BC-Y/G	GaAsp/GaP	590	YELLOW	WHITE DIFFUSED	30	2.0	2.8	5	45	5BC-Y/G		
	GaP/GaP	568	GREEN		30	2.1	2.8	8				

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) ±10% ALL VALUES		 4 THOMAS, IRVINE, CA. 92618 TEL.: (949) 951-8808 FAX: (949) 951-3974	
		ANGULAR X° ± 1°	
DESIGNED: Sonny Dam	DATE: 12/20/05	 TITLE: STD PANEL MOUNT INDICATORS	
CHECKED: T. Yin	DATE: 12/20/05	PART NO: PM5XX	REVISION:

REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1.		

LED Assy.No.	Chip			Lens Appearance	Electro-Optical Data @20mA				Viewing Angle 2 θ 1/2 (Deg)	LED P/N	
	Material	Peak Wave Length	Emitted Color		If (mA)	Vf (V)		Iv (mcd)			
					MAX	TYP	MAX	TYP			
PM5UBWC	InGaN/SiC	468	BLUE	WATER CLEAR	50	3.2	3.6	5000	15	5BWC2.515	
PM5SGC	GaP/GaP	568	GREEN	WATER CLEAR	30	2.1	2.8	60	35	5SGC	
PM5SGD	GaP/GaP	568	GREEN	DIFFUSED	30	2.1	2.8	50	40	5SGD	
PM5SGT	GaP/GaP	568	GREEN	TINTED	30	2.1	2.8	60	35	5SGT	
PM5SYC	GaAsP/GaP	590	YELLOW	WATER CLEAR	30	2.0	2.8	600	35	5SYC	
PM5SYD	GaAsP/GaP	590	YELLOW	DIFFUSED	30	2.0	2.8	150	40	5SYD	
PM5SYT	GaAsP/GaP	590	YELLOW	TINTED	30	2.0	2.8	600	35	5SYT	
PM5SRC	GaAlAs/GaAs	645	SUPER RED	WATER CLEAR	30	1.7	2.4	60	35	5SRC	
PM5SRD	GaAlAs/GaAs	645	SUPER RED	DIFFUSED	30	1.7	2.4	40	40	5SRD	
PM5SRT	GaAlAs/GaAs	645	SUPER RED	TINTED	30	1.7	2.4	60	35	5SRT	
PM5UGC	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	600	35	5UGC	
PMTSUGC	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	300	35	5SUGC	
PM5UYC	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	1000	30	5UYC	
PM5SUYC	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	700	35	5SUYC	
PM5UOC	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	500	35	5UUYC	
PM5UOC	AlGaInP	625	ORANGE	WATER CLEAR	30	1.8	2.4	1400	35	5UOC	
PM5SUOC	AlGaInP	625	ORANGE	WATER CLEAR	30	1.8	2.4	1300	35	5SUOC	
PM5URC	GaAlAs/GaAs	645	RED	WATER CLEAR	30	1.7	2.4	400	30	5URC	
PM5SURC	AlGaInP	640	RED	WATER CLEAR	30	1.8	2.4	500	35	5SURC	
PM5UWC	InGaN/SiC	6500K	WHITE	WATER CLEAR	100	3.5	4.2	2700	30	5WC2.730	

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) <u>±10% ALL VALUES</u> <u>ANGULAR</u> X° ± 1°		 4 THOMAS, IRVINE, CA. 92618 TEL.: (949) 951-8808 FAX: (949) 951-3974	
		 TITLE: STD PANEL MOUNT INDICATORS	
DESIGNED: Sonny Dam	DATE: 12/20/05	PART NO: PM5XX	
CHECKED: T. Yin	DATE: 12/20/05	CAGE CODE : 32559	SHEET # 3 OF 4
CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.			

LED Assy. No.	Peak Wave Length λ_p (nm)	Emitted Color	Lens Appearance	Max. Rating	Electro-Optical Data @ 2mA			Viewing Angle 2 θ ½ (Deg)	LED P/N
				If (mA)	Vf (V)		Iv (mcd)		
				MAX	TYP	MAX	TYP		
PM5BWDL	430	BLUE	DIFFUSED	7	3.8	4.2	4	45	5BWDL
PM5PGDL	555	PURE GREEN	DIFFUSED	7	2.1	2.6	1	45	5PGDL
PM5GDL	568	GREEN	DIFFUSED	7	2.1	2.6	5	45	5GDL
PM5YDL	590	YELLOW	DIFFUSED	7	2.0	2.6	4	45	5YDL
PM5ADL	605	AMBER	DIFFUSED	7	2.0	2.6	4	45	5ADL
PM5HDL	625	HE RED	DIFFUSED	7	2.0	2.6	5	45	5HDL
PM5SRDL	645	SUPER RED	DIFFUSED	7	1.7	2.3	6	45	5SRDL

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) ±10% ALL VALUES		ANGULAR X° ± 1°		 4 THOMAS, IRVINE, CA. 92618 TEL.: (949) 951-8808 FAX: (949) 951-3974	
DESIGNED: Sonny Dam		DATE: 12/20/05			
CHECKED: T. Yin		DATE: 12/20/05		TITLE: STD PANEL MOUNT INDICATORS PART NO: PM5XX CAGE CODE : 32559 SHEET # 4 OF 4	
CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.					

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

BIVAR:

[PM5BC](#) [PM5BWD](#) [PM5GD](#) [PM5GD12V](#) [PM5GD5V](#) [PM5GDL](#) [PM5HD](#) [PM5HD12V](#) [PM5HD5V](#) [PM5HDL](#) [PM5YD](#)
[PM5YD12V](#) [PM5YD5V](#) [PM5SRD](#) [PM5SYD](#) [PM5AD](#) [PM5ADL](#) [PM5BWC](#) [PM5AC](#) [PM5AT](#) [PM5GC](#) [PM5GT](#)
[PM5HC](#) [PM5HT](#) [PM5PGC](#) [PM5PGT](#) [PM5RC](#) [PM5RD](#) [PM5RT](#) [PM5YC](#) [PM5YT](#) [PM5BWT](#)