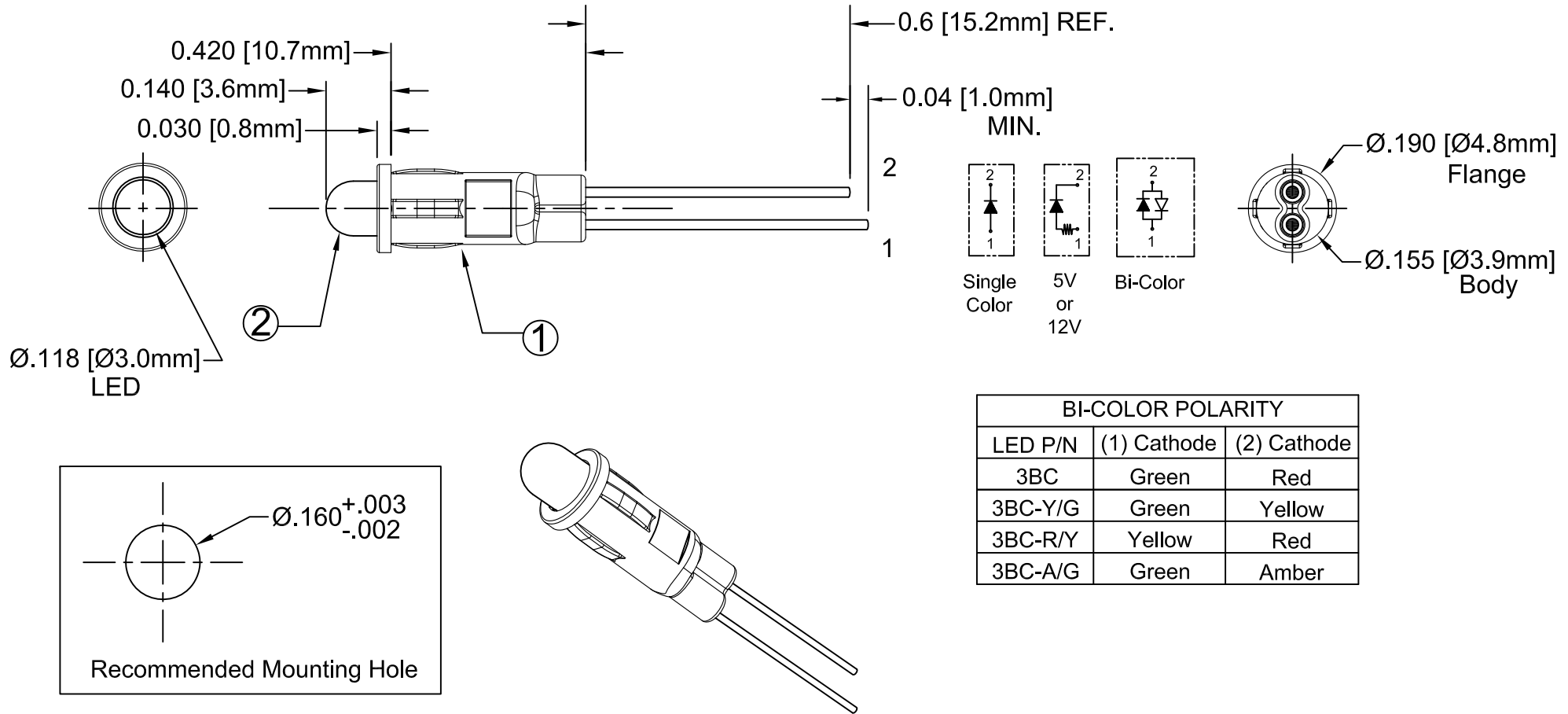


ITEM	Q'TY	PART NUMBER	PART DESCRIPTION
1	1	PM3-XXX	LED Holder, Panel Mount, Press Fit, (3mm) PM3 (Standard LED), PM3-5V (5V LED), & PM3-12V (12V LED)
2	1	3XXX-S	T-1 (3mm) Non-Flange, See Following Pages

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.



BI-COLOR POLARITY		
LED P/N	(1) Cathode	(2) Cathode
3BC	Green	Red
3BC-Y/G	Green	Yellow
3BC-R/Y	Yellow	Red
3BC-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)		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
DECIMALS	ANGULAR		
.X ± .1	X° ± 1°		
.XX ± .02			
.XXX ± .010			
DESIGNED: Dan Beckman	DATE: 09/15/06	TITLE: STD PANEL MOUNT INDICATORS	
CHECKED: T. Yin	DATE: 09/15/06	PART NO: PM3XXX	REVISION: E
		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			
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		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
		TITLE: STD PANEL MOUNT INDICATORS	
DESIGNED: Dan Beckman	DATE: 09/15/06	PART NO: PM3XXX	
CHECKED: T. Yln	DATE: 09/15/06	CAGE CODE : 32559	SHEET # 2 OF 4
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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		
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
PM3SUGC	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	300	30	3SUGC-S
PM3UYC	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	300	30	3UYC-S
PM3SUYC	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	400	30	3SUYC-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
PM3SUOC	AlGaInP	625	ORANGE	WATER CLEAR	30	1.8	2.4	400	30	3SUOC-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/Sappire	6500K	WHITE	WATER CLEAR	30	3.4	3.8	1000	30	3UWC1.030C

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) <u>±10% ALL VALUES</u>		BIVAR® 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
		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
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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		
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		
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) <u>±10% ALL VALUES</u>		ANGULAR X° ± 5°		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
				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 # 4 OF 4	
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