

ABSOLUTE MAXIMUM RATINGS (Ta = 25°C)

REVERSE VOLTAGE _____ 5V

REVERSE CURRENT (VR=5V) _____ 100µA

OPERATING TEMPERATURE RANGE _____ -25°C ~ 85°C

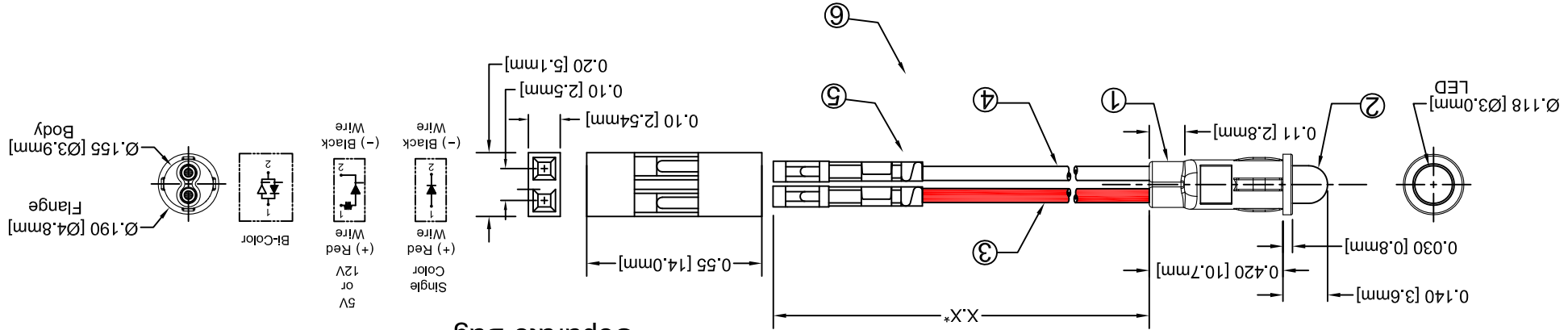
STORAGE TEMPERATURE _____ -30°C ~ 100°C

LEAD SOLDERING TEMPERATURE (1/16" FROM BODY) _____ 260°C for 5 Seconds

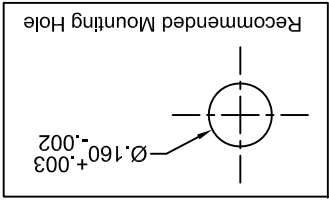
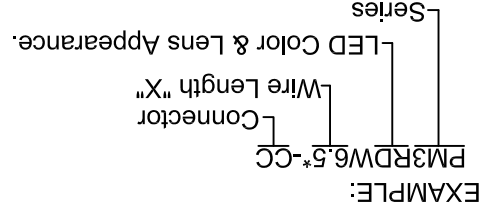
REV.	DATE	DESCRIPTION
A	04/09/07	Engineering Release
B	09/07/07	Updated Notes
C	11/08/07	Connector Shipped Separate Note Update.
D	02/06/08	Added 3YCL LED to Page 3
E	11/12/12	Updated BOM item #1 and Updated LED Offering
F	12/19/12	Updated LED P/N to 3XXX-S in BOM

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 Low Current LED, See Page 2.
3	1	BWS24-1061-RD	24AWG Wire Lead U.L. 1061, Red
4	1	BWS24-1061-BK	24AWG Wire Lead U.L. 1061, Black
5	2	2665S020000	Leeco 2665 Series 2.54mm (100") Crimp Type Socket, 1X
6	1	2653TPB001	Leeco Terminal# 2653TPB001 (Reel) 2653TPB00A1(Bulk)

Note: Connector Shipped Non-Assembled in Separate Bag



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



* X.X = Wire Length "X"

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DATE:	04/09/07	DESIGNED:	Dan Beckman
DATE:	04/09/07	CHECKED:	T. Yin
REVISION:	F	CAGE CODE :	32559
REVISION:	F	SHEET #	1 OF 4
PART NO.:	PM3XXXWX-X-CC	CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.	
TITLE:	T-1 (3mm) PANEL MOUNT ASSEMBLY		
STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)	DECIMALS		
	ANGULAR		
	X° ± 1°		
	.X ± .1		
	.XX ± .02		
	.XXX ± .010		
4 THOMAS, IRVINE, CA. 92618	TEL: (949) 951-8808	FAX: (949) 951-3974	



REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET#1.		

LED Assy.No.	Material	Peak Wave Length	Emitted Color	Lens Appearance	Electro-Optical Data @20mA			
					If (mA)	Vf (V)	Viewing Angle 2θ 1/2 (Deg)	
							MAX TYP	MAX TYP
PM3BWCWX.X-CC	GaN/SiC	430	BLUE	25	4.5	25	30	
PM3BWDWX.X-CC	GaN/SiC	430	BLUE	25	4.5	10	40	
PM3BWTWX.X-CC	GaN/SiC	430	BLUE	25	4	25	30	
PM3GWCWX.X-CC	Gap/Gap	568	GREEN	30	2.1	2.8	30	
PM3GDWX.X-CC	Gap/Gap	568	GREEN	30	2.1	2.8	40	
PM3GTWX.X-CC	Gap/Gap	568	GREEN	30	2.1	2.8	30	
PM3PGCW.X-CC	Gap/Gap	555	PURE GREEN	30	2.2	2.8	30	
PM3PGTW.X-CC	Gap/Gap	555	PURE GREEN	30	2.2	2.8	30	
PM3PGDWX.X-CC	Gap/Gap	555	PURE GREEN	30	2.2	2.8	40	
PM3YCW.X-CC	Gap/Gap	590	YELLOW	30	2	2.8	30	
PM3YDW.X-CC	Gap/Gap	590	YELLOW	30	2	2.8	40	
PM3YTW.X-CC	Gap/Gap	590	YELLOW	30	2	2.8	30	
PM3ACWX.X-CC	Gap/Gap	605	AMBER	30	2	2.8	30	
PM3ADWX.X-CC	Gap/Gap	605	AMBER	30	2	2.8	40	
PM3ATWX.X-CC	Gap/Gap	605	AMBER	30	2	2.8	30	
PM3HCWX.X-CC	Gap/Gap	625	HE RED	30	2	2.8	30	
PM3HDWX.X-CC	Gap/Gap	625	HE RED	30	2	2.8	40	
PM3HTWX.X-CC	Gap/Gap	625	HE RED	30	2	2.8	30	
PM3RCWX.X-CC	Gap/Gap	700	RED	20	2	2.8	30	
PM3RDWX.X-CC	Gap/Gap	700	RED	20	2.1	2.8	40	
PM3RTWX.X-CC	Gap/Gap	700	RED	20	2.1	2.8	30	
PM3BCWX.X-CC-A/G	Gap/Gap	605	AMBER	30	2	2.8	6	
PM3BCWX.X-CC-A/G	Gap/Gap	568	GREEN	30	2.1	2.8	6	
PM3BCWX.X-CC	Gap/Gap	625	RED	30	2	2.8	6	
PM3BCWX.X-CC	Gap/Gap	568	GREEN	30	2.1	2.8	6	
PM3BCWX.X-CC-R/Y	Gap/Gap	625	RED	30	2	2.8	4	
PM3BCWX.X-CC-R/Y	Gap/Gap	590	YELLOW	30	2	2.8	4	
PM3BCWX.X-CC-Y/G	Gap/Gap	590	YELLOW	30	2	2.8	4	
PM3BCWX.X-CC-Y/G	Gap/Gap	568	GREEN	30	2.1	2.8	6	

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

TITLE:
 T-1 (3mm) PANEL MOUNT ASSEMBLY

DESIGNED:
 Dan Beckman
 DATE: 04/09/07

CHECKED:
 T. Yin
 DATE: 04/09/07

CAGE CODE : 32559 **SHEET #** 2 OF 4
REVISION: F
PART NO: PM3XXXXX.X-CC

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REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1.		

LED Assy.No.	Material	Chip	Peak Wave Length	Emitted Color	Lens Appearance	Electro-Optical Data @20mA			Viewing Angle 2 θ 1/2 (Deg)	LED P/N
						Iv	Vf (V)	MAX TYP		
PM3UBWCWX.X-CC	GaN/SiC	470	BLUE	WATER CLEAR	30	4	4.5	400	30	3UBWC-0.6K
PM3SGCWX.X-CC	Gap/Gap	568	GREEN	DIFFUSED	30	2.1	2.8	30	40	3SGD-S
PM3SGTWX.X-CC	Gap/Gap	568	GREEN	TINTED	30	2.1	2.8	50	30	3SGT-S
PM3SYCWX.X-CC	Gap/Gap	590	YELLOW	WATER CLEAR	30	2	2.8	50	30	3SYC-S
PM3SYDWX.X-CC	Gap/Gap	590	YELLOW	DIFFUSED	30	2	2.8	30	40	3YD-S
PM3SYTWX.X-CC	Gap/Gap	590	YELLOW	TINTED	30	2	2.8	50	30	3SYT-S
PM3SACWX.X-CC	AlgalnP	605	AMBER	WATER CLEAR	30	1.8	2.4	300	30	3SAC-S
PM3SADWX.X-CC	AlgalnP	605	AMBER	DIFFUSED	30	1.8	2.4	100	40	3SAD-S
PM3SATWX.X-CC	AlgalnP	605	AMBER	TINTED	30	1.8	2.4	300	30	3SAT-S
PM3SRCWX.X-CC	GaAs/GaAs	645	SUPER RED	WATER CLEAR	30	1.7	2.4	60	30	3SRC-S
PM3SRDWX.X-CC	GaAs/GaAs	645	SUPER RED	DIFFUSED	30	1.7	2.4	40	40	3SRD-S
PM3SRTWX.X-CC	GaAs/GaAs	645	SUPER RED	TINTED	30	1.7	2.4	60	30	3SRT-S
PM3UGCWX.X-CC	AlgalnP	570	GREEN	WATER CLEAR	30	2.1	2.4	200	30	3UGC-S
PM3SUGCWX.X-CC	AlgalnP	570	GREEN	WATER CLEAR	30	2.1	2.4	300	30	3SUGC-S
PM3UYCWX.X-CC	AlgalnP	590	YELLOW	WATER CLEAR	30	2	2.4	300	30	3UYC-S
PM3SUYCWX.X-CC	AlgalnP	590	YELLOW	WATER CLEAR	30	2	2.4	400	30	3SUYC-S
PM3UUYCWX.X-CC	AlgalnP	590	YELLOW	WATER CLEAR	30	2	2.4	600	30	3UUYC-S
PM3UOCWX.X-CC	AlgalnP	625	ORANGE	WATER CLEAR	30	1.8	2.4	300	30	3UOC-S
PM3SUOCWX.X-CC	AlgalnP	625	ORANGE	WATER CLEAR	30	1.8	2.4	400	30	3SUOC-S
PM3URCWX.X-CC	GaAs/GaAs	645	RED	WATER CLEAR	30	1.7	2.4	200	30	3URC-S
PM3SURCWX.X-CC	AlgalnP	640	RED	WATER CLEAR	30	1.8	2.4	200	30	3SURC-S
PM3UWCWX.X-CC	InGaN/Sapphire	6500K	WHITE	WATER CLEAR	30	3.4	3	1000	30	3UWC1.030C

STANDARD TOLERANCE
(UNLESS OTHERWISE SPECIFIED)
±10% ALL VALUES
ANGULAR
X ± 5°

4 THOMAS, IRVINE, CA, 92618
TEL: (949) 951-8808 FAX: (949) 951-3974

BIVAR®

TITLE: T-1 (3mm) PANEL MOUNT ASSEMBLY
DESIGNED: Dan Beckman
DATE: 04/09/07
CHECKED: T. Yin
DATE: 04/09/07

REVISION: F
PART NO: PM3XXXXX.X-CC
CAGE CODE : 32559
SHEET # 3 **OF** 4
04/09/07
CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.

REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1.		

LED Assy. No.	Material	Peak Wave Length λ_p (nm)	Emitted Color	Lens Appearance	Absolute Max. Ratings			Electro-Optical Data @2mA			
					Pd (mW)	If (mA)	If (mA)	Vf (V)	Iv (mcd)	Viewing Angle 2 θ 1/2 (Deg)	
PM3BWDLWX.X-CC	GaN/siC	430	BLUE	DIFFUSED	20	7	-	3.8	4.2	2.5	40
PM3GDLWX.X-CC	Gap/Gap	568	GREEN	DIFFUSED	10	7	-	2.1	2.6	2	40
PM3PGLWX.X-CC	Gap/Gap	555	PURE GREEN	DIFFUSED	10	7	-	2.1	2.6	0.2	40
PM3ADLWX.X-CC	Gap/Gap	590	YELLOW	DIFFUSED	10	7	-	2	2.6	2	40
PM3ADLWX.X-CC	Gap/Gap	605	AMBER	DIFFUSED	10	7	-	2	2.6	4	40
PM3HDLWX.X-CC	Gap/Gap	625	HE RED	DIFFUSED	10	7	-	2	2.6	2.5	40
PM3RDWLWX.X-CC	Gap/Gap	700	RED	DIFFUSED	10	7	-	2.1	2.6	0.5	40
PM3SRDLWX.X-CC	GaInAs/GaAs	645	RED	DIFFUSED	10	7	-	2	-	8	40

Assembly P/N	Peak Wave Length λ_p (nm)	Emitted Color	Lens Appearance	Electro-Optical Data			Viewing Angle 2 θ 1/2 (Deg)	LED P/N
				If (mA)	Vf (V)	Iv (mcd)		
Data @ 5V								
PM3BWD5VWX.X-CC	430	BLUE	DIFFUSED	-	-	5	10	35
PM3GCV5VWX.X-CC	568	GREEN	WATER CLEAR	-	-	5	40	20
PM3GD5VWX.X-CC	568	GREEN	DIFFUSED	-	-	5	25	35
PM3G5VWX.X-CC	568	GREEN	TINTED	-	-	5	40	20
PM3AD5VWX.X-CC	605	AMBER	DIFFUSED	-	-	5	25	35
PM3HD5VWX.X-CC	625	HE RED	DIFFUSED	-	-	5	30	35
PM3RD5VWX.X-CC	700	RED	DIFFUSED	-	-	5	2	35
PM3YD5VWX.X-CC	590	YELLOW	DIFFUSED	-	-	5	20	35

12 Volt								
PM3BWD12VWX.X-CC	430	BLUE	DIFFUSED	-	-	5	10	35
PM3GCV12VWX.X-CC	568	GREEN	WATER CLEAR	-	-	5	40	20
PM3GD12VWX.X-CC	568	GREEN	DIFFUSED	-	-	5	25	35
PM3HC12VWX.X-CC	625	HE RED	WATER CLEAR	-	-	5	50	20
PM3HD12VWX.X-CC	625	HE RED	DIFFUSED	-	-	5	30	35
PM3RC12VWX.X-CC	700	RED	WATER CLEAR	-	-	5	6	20
PM3RD12VWX.X-CC	700	RED	DIFFUSED	-	-	5	2	35
PM3YC12VWX.X-CC	590	YELLOW	WATER CLEAR	-	-	5	40	20
PM3YD12VWX.X-CC	590	YELLOW	DIFFUSED	-	-	5	25	35

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DESIGNED: Dan Beckman
DATE: 04/09/07
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CAGE CODE # 32559
SHEET # 4 OF 4
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