

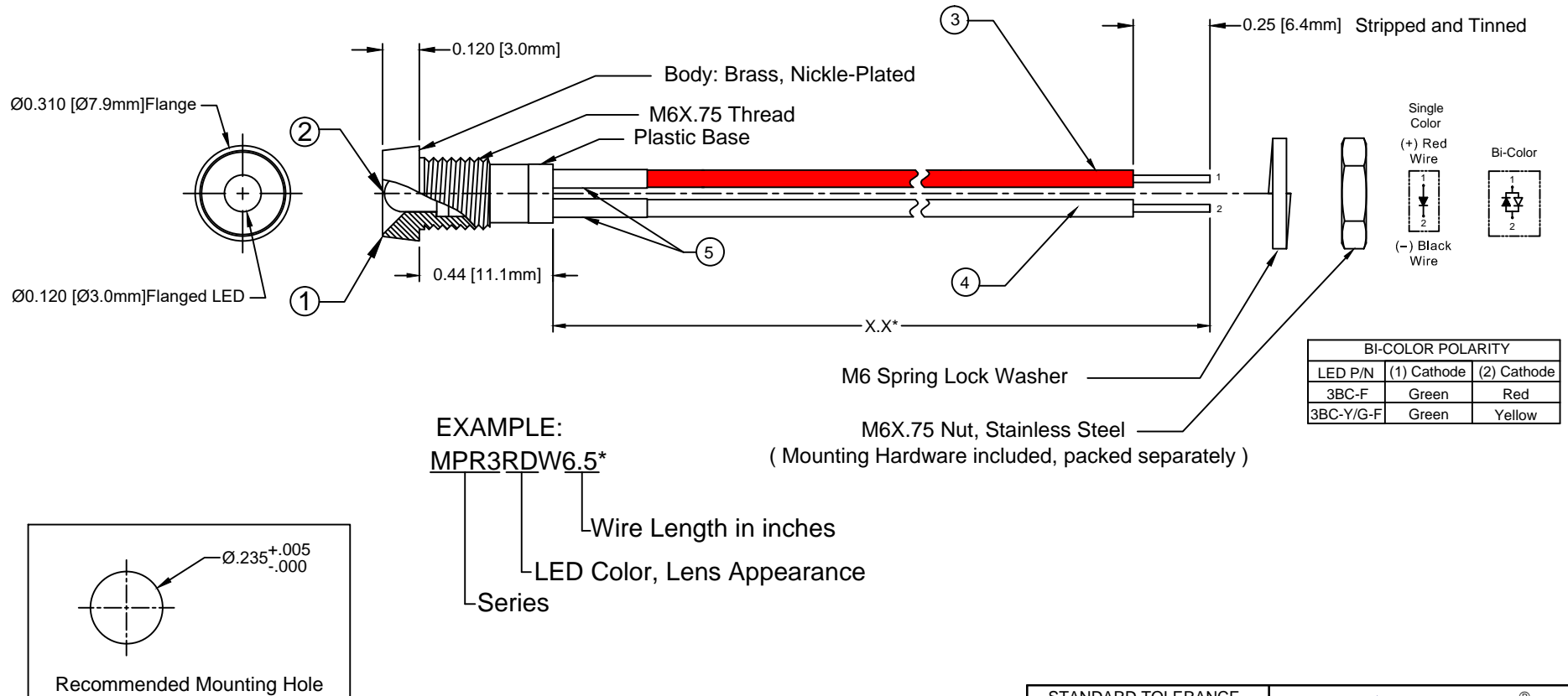


THE DATASHEET OF MPR3RDW12.0



ITEM	QTY	PART NUMBER	PART DESCRIPTION
1	1	MPR3	Chrome Panel Mount Holder, 3mm
2	1	3XXX-F	T-1 (3mm) Flanged LED, See Following Pages
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, Black, .5" Cut Length

REV.	DESCRIPTION	DATE	APPROVED
A	Engineering Release.	07/27/07	M. C.
B	Shrink Tubing Length Update.	03/23/09	T. Y.
C	Updated LED offering	05/03/12	T. Y.
D	Updated Bi-Color Polarity Table	12/18/12	T. Y.
E	Updated Typo On Page 4	06/12/14	J. C.
F	Updated LED Optical Characteristics	09/15/15	J. C.
G	Updated per EOL Notice	05/20/20	A. V.



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®	
DECIMALS	ANGULAR	4 THOMAS, IRVINE, CA. 92618	
X ± .1	X° ± 1°	TEL: (949) 951-8808 FAX: (949) 951-3974	
.XX ± .02		TITLE: STD METAL PANEL MOUNT INDICATORS W/ WIRES	
.XXX ± .010		DRAWING NO: MPR3XXWX.X	
DESIGNED: D. Beckman	DATE: 07/27/07	REVISION: G	
REVISOR: V. Chavez	DATE: 05/20/20	SHEET SIZE: A	CAGE CODE: 32559
CHECKED: A. Valdez	DATE: 05/20/20	SCALE: NONE	SHEET # 1 OF 3
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		I _f	V _f		I _v		
					(mA)	(V)		(mcd)		
MAX	TYP	MAX	TYP	TYP						
MPR3BWDWX.X	GaN/SiC	430	BLUE	DIFFUSED	25	4	4.5	10	35	3BWD-F
MPR3GDWX.X	GaP/GaP	568	GREEN	DIFFUSED	30	2.1	2.8	25	35	3GD-F
MPR3YDWX.X	GaAsP/GaP	590	YELLOW	DIFFUSED	30	2	2.8	20	35	3YD-F
MPR3YTWX.X	GaAsP/GaP	590	YELLOW	TINTED	30	2	2.8	40	20	3YT-F
MPR3ADWX.X	GaAsP/GaP	605	AMBER	DIFFUSED	30	2	2.8	25	35	3AD-F
MPR3HDWX.X	GaAsP/GaP	625	HE RED	DIFFUSED	30	2	2.8	30	35	3HD-F
MPR3RDWX.X	GaP/GaP	700	RED	DIFFUSED	20	2.1	2.8	2	20	3RD-F
MPR3BCWX.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		
MPR3BCWX.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		

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CAGE CODE	32559	DRAWING NO:	MPR3XXWX.X	REVISION:	G
SHEET SIZE	A	SCALE:	NONE	SHEET #	2 OF 3
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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	TYP		
MPR3SGCW.X	GaP/GaP	568	GREEN	WATER CLEAR	30	2.1	2.8	50	20	3SGC-F
MPR3SYCW.X	GaAsP/GaP	590	YELLOW	WATER CLEAR	30	2.0	2.8	50	20	3SYC-F
MPR3SRCW.X	GaAlAs/GaAs	645	SUPER RED	WATER CLEAR	30	1.7	2.4	60	20	3SRC-F
MPR3SRDW.X	GaAlAs/GaAs	645	SUPER RED	DIFFUSED	30	1.7	2.4	40	35	3SRD-F
MPR3UGCW.X	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	200	20	3UGC-F
MPR3UGCW.X	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	300	35	3SUGC-F
MPR3UYCW.X	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	300	20	3UYC-F
MPR3URCW.X	GaAlAs/GaAs	645	RED	WATER CLEAR	30	1.7	2.4	200	35	3URC-F
MPR3SURCW.X	AlGaInP	640	RED	WATER CLEAR	30	1.8	2.4	200	20	3SURC-F
MPR3UWCW.X	InGaN/Sappire	6500K	WHITE	WATER CLEAR	30	3.2	3.6	6000	35	3UWC1.035C-F

LED Assy. No.	Chip			Lens Appearance	Absolute Max. Ratings			Electro-Optical Data @ 2mA			Viewing Angle 2 Y 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		
MPR3GDLW.X	GaP/GaP	568	GREEN	DIFFUSED	10	7	-	2.1	2.6	4.0	35	3GDL-F
MPR3YDLW.X	GaAsP/GaP	590	YELLOW	DIFFUSED	10	7	-	2.0	2.6	2.0	35	3YDL-F
MPR3HDLW.X	GaAsP/GaP	625	HE RED	DIFFUSED	10	7	-	2.0	2.6	2.5	35	3HDL-F

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CAGE CODE	32559	DRAWING NO:	MPR3XXWX.X	REVISION:	G
SHEET SIZE	A	SCALE:	NONE	SHEET #	3 OF 3
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