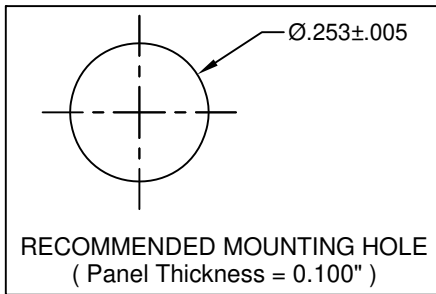
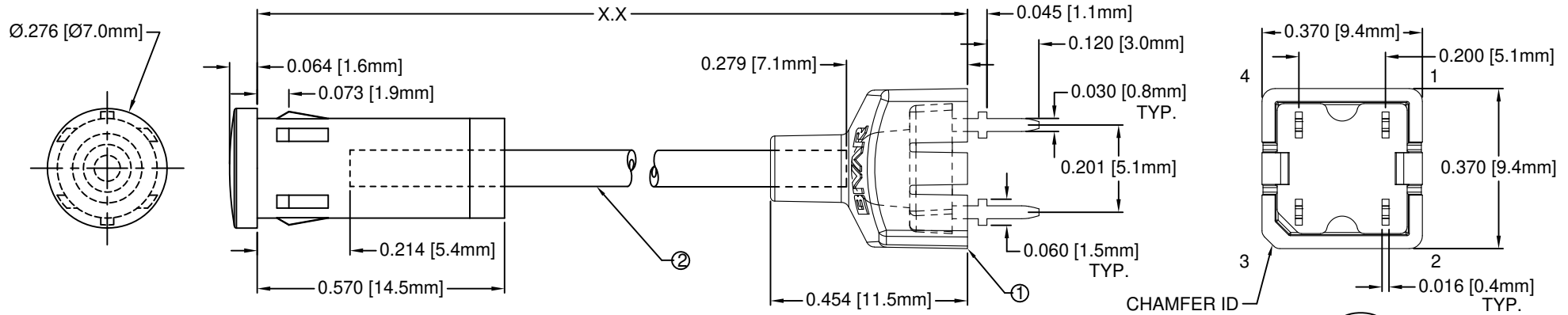
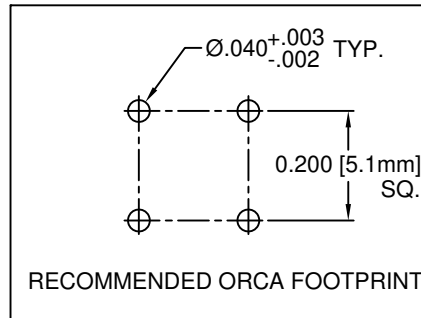


ITEM	Q'TY	PART NUMBER	PART DESCRIPTION
1	1	ORFLP1-XXX	1mm Flexible Light Pipe ORCA Adapter w/ LED
2	1	FLP5-XX.X	Flexible Light Pipe Lens Cap Assembly, 7mm Round

REV.	DESCRIPTION	DATE	APPROVED
A	Engineering Release.	07/07/09	T. Y.
B	Updated Table For Length "X.X"	11/14/12	T. Y.
C	Updated LED Optical Characteristics.	08/29/15	J. C.



RECOMMENDED MOUNTING HOLE  
( Panel Thickness = 0.100" )

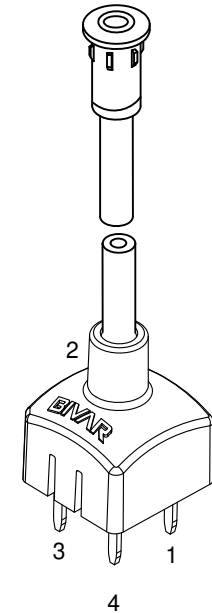


RECOMMENDED ORCA FOOTPRINT

" X.X " *	Tolerance
1.1" ~ 16.0"	±0.050"
16.1" ~ 40.0"	±0.15"
40.1" ~ 80.0"	±0.30"
80.1" ~ 3,940.0"	±0.5%

\* Available in 0.1" increments only

NOTE: ORFLP1-XXX ADAPTER SHIPPED SEPARATELY



SEE PAGE 2 FOR POLARITY

## ABSOLUTE MAXIMUM RATINGS (Ta=25 C)

REVERSE VOLTAGE _____	5V
REVERSE CURRENT _____	10µA
OPERATING TEMPERATURE RANGE _____	-25°C ~ +80°C
STORAGE TEMPERATURE _____	-30°C ~ +80°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 ± .2	X° ± 1°	TEL: (949) 951-8808 FAX: (949) 951-3974	
.XX ± .02		TITLE: 1mm FLP ORCA ASSEMBLY, 7mm ROUND LENS CAP	
.XXX ± .010		PART NO: R15-X.X-XXX	
DESIGNED: Raffy Paje	DATE: 07/07/09	REVISION: C	
CHECKED: F. Jensen	DATE: 07/07/09	CAGE CODE : 32559 SHEET # 1 OF 2	
CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.			

REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1		

Assy P/N	LED P/N	Emitted Color	Dominant Length $\lambda_d$ (nm) / CCT (K)	Lens Appearance	Absolute Max. Ratings			Vf (V)			Iv (mcd)		Viewing Angle 2 $\theta_{1/2}$ (Deg)	POLARITY DIAGRAM
					Pd (mW)	If (mA)	Peak If (mA)	MIN	TYP	MAX	MIN	TYP		
<b>SINGLE COLOR LED ASSEMBLIES (20mA)</b>														
R15-X.X-BLU	R20BLU-4-0045	BLUE	465 - 475	WATER CLEAR	220	50	100	2.7	3.2	3.6	5000	8000	45	FIG. A
R15-X.X-GRN	R20GRN-4-0045	GREEN	517 - 527		220	50	100	2.7	3.2	3.6	15000	25000	45	FIG. A
R15-X.X-WHT	R20WHT-4-0045	WHITE	6000K		220	50	100	2.7	3.2	3.6	10000	16000	45	FIG. A
<b>SINGLE COLOR LED ASSEMBLIES (50mA)</b>														
R15-X.X-RED	R50RED-4-0045	RED	620 - 635	WATER CLEAR	140	80	160	1.8	2.4	2.6	12000	18000	45	FIG. A
R15-X.X-YLW	R50YLW-4-0045	YELLOW	588 - 596		140	80	160	1.8	2.4	2.6	12000	18000	45	FIG. A
<b>BI-COLOR LED ASSEMBLIES (50mA)</b>														
R15-X.X-RG	R50RG2-4-0045	RED	617 - 630	WATER CLEAR	150	80	160	1.8	2.4	2.6	3000	4000	45	FIG. B
		GREEN	515 - 525		220	80	150	3.0	3.4	3.8	6000	10000		
R15-X.X-RB	R50RB2-4-0045	RED	617 - 630	WATER CLEAR	150	80	160	1.8	2.4	2.6	3000	4000	45	FIG. C
		BLUE	460 - 470		220	80	150	3.0	3.4	3.8	1000	3000		
R15-X.X-BG	R50BG2-4-0045	BLUE	460 - 470	WATER CLEAR	220	80	150	3.0	3.4	3.8	1000	3000	45	FIG. D
		GREEN	515 - 525		220	80	150	3.0	3.4	3.8	6000	10000		
R15-X.X-RGB	R50RGB-4-0045	RED	617 - 630	WATER CLEAR	150	80	160	1.8	2.4	2.6	3000	4000	45	FIG. E
		GREEN	515 - 525		220	80	150	3.0	3.4	3.8	6000	10000		
		BLUE	460 - 470		220	80	150	3.0	3.4	3.8	1000	3000		

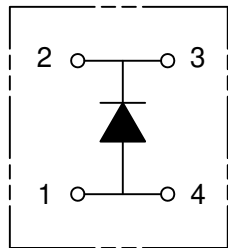


FIG. A

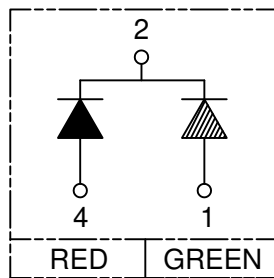


FIG. B

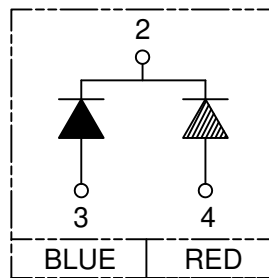


FIG. C

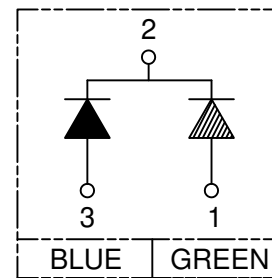


FIG. D

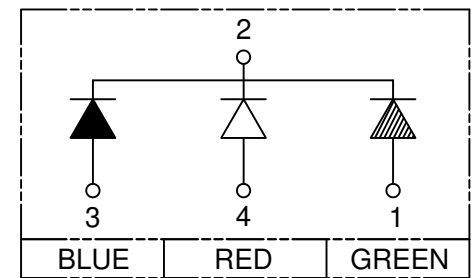


FIG. E

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) DECIMALS      ANGULAR		<b>BIVAR</b> <sup>®</sup> 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808    FAX: (949) 951-3974	
DESIGNED: <b>Raffy Paje</b>		DATE: <b>07/07/09</b>	TITLE: 1mm FLP ORCA ASSEMBLY, 7mm ROUND LENS CAP
CHECKED: <b>F. Jensen</b>		DATE: <b>07/07/09</b>	PART NO: <b>R15-X.X-XXX</b>
			REVISION: <b>C</b>
			CAGE CODE : 32559    SHEET # 2 OF 2
CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.			

NOTES:  
1. INDIVIDUAL LED P/N DATA AVAILABLE @ WWW.BIVAR.COM.