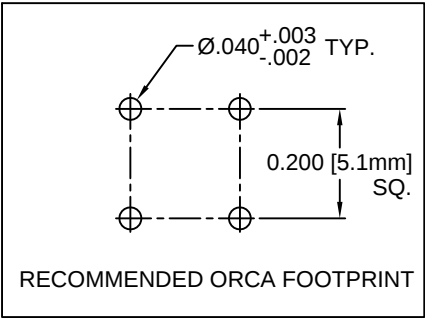
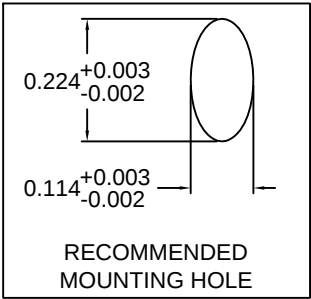
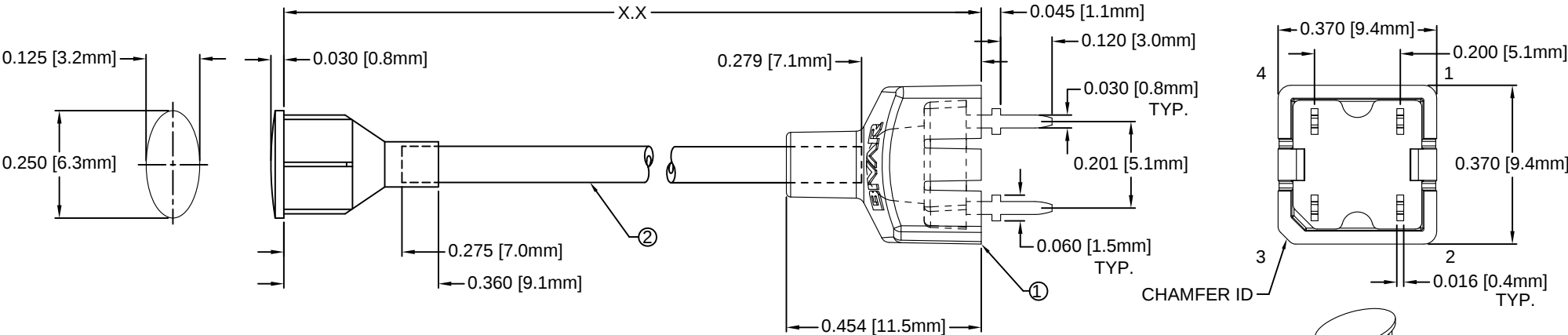


ITEM	Q'TY	PART NUMBER	PART DESCRIPTION
1	1	ORFLP1-XXX	1mm Flexible Light Pipe ORCA Adapter w/ LED
2	1	FLPO-XX.X	Flexible Light Pipe Lens Cap Assembly, Oval

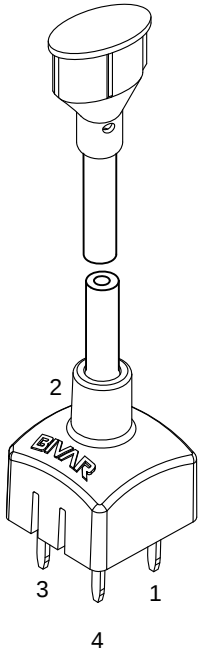
REV.	DESCRIPTION	DATE	APPROVED
A	Engineering Release.	07/07/09	T. Y.
B	Update Table For Length "X.X"	11/14/12	T. Y.
C	Updated LED Optical Characteristics.	08/29/15	J. C.



" 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	_____	10uA
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

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DECIMALS	ANGULAR		
.X ± .2	X° ± 1°		
.XX ± .02			
.XXX ± .010			
DESIGNED:	DATE:	TITLE: 1mm FLP ORCA ASSEMBLY, OVAL LENS CAP	
Raffy Paje	07/07/09		
CHECKED:	DATE:	PART NO:	REVISION:
F. Jensen	07/07/09	R10-X.X-XXX	C
		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 λd(nm) / CCT (K)	Lens Appearance	Absolute Max. Ratings			Vf (V)			Iv (mcd)		Viewing Angle 2 θ½ (Deg)	POLARITY DIAGRAM
					Pd (mW)	If (mA)	Peak If (mA)							
			MIN - MAX		MIN	TYP	MAX	MIN	TYP					
SINGLE COLOR LED ASSEMBLIES (20mA)														
R10-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
R10-X.X-GRN	R20GRN-4-0045	GREEN	517 - 527		220	50	100	2.7	3.2	3.6	15000	25000	45	FIG. A
R10-X.X-WHT	R20WHT-4-0045	WHITE	6000K		220	50	100	2.7	3.2	3.6	10000	16000	45	FIG. A
SINGLE COLOR LED ASSEMBLIES (50mA)														
R10-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
R10-X.X-YLW	R50YLW-4-0045	YELLOW	588 - 596		140	80	160	1.8	2.4	2.6	12000	18000	45	FIG. A
BI-COLOR LED ASSEMBLIES (50mA)														
R10-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		
R10-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		
R10-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		
R10-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		

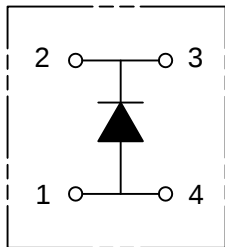


FIG. A

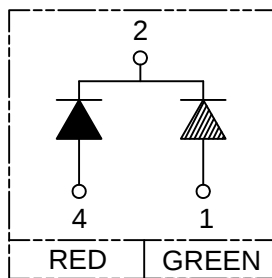


FIG. B

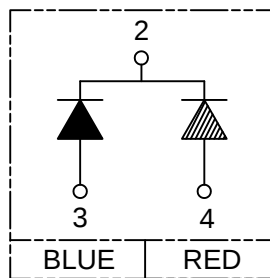


FIG. C

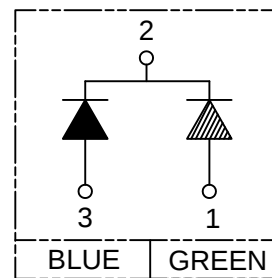


FIG. D

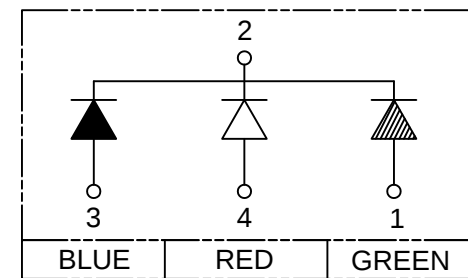


FIG. E

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

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DESIGNED: Raffy Paje	DATE: 07/07/09		
CHECKED: F. Jensen	DATE: 07/07/09	TITLE: 1mm FLP ORCA ASSEMBLY, OVAL LENS CAP PART NO: R10-X.X-XXX CAGE CODE : 32559 SHEET # 2 OF 2 CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.	

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