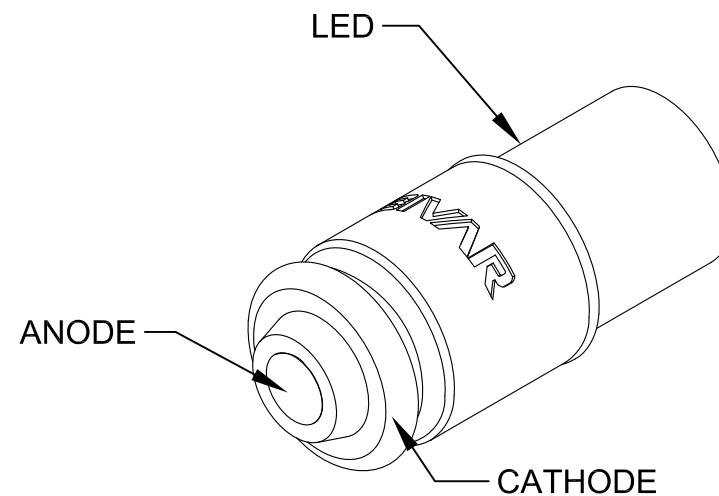
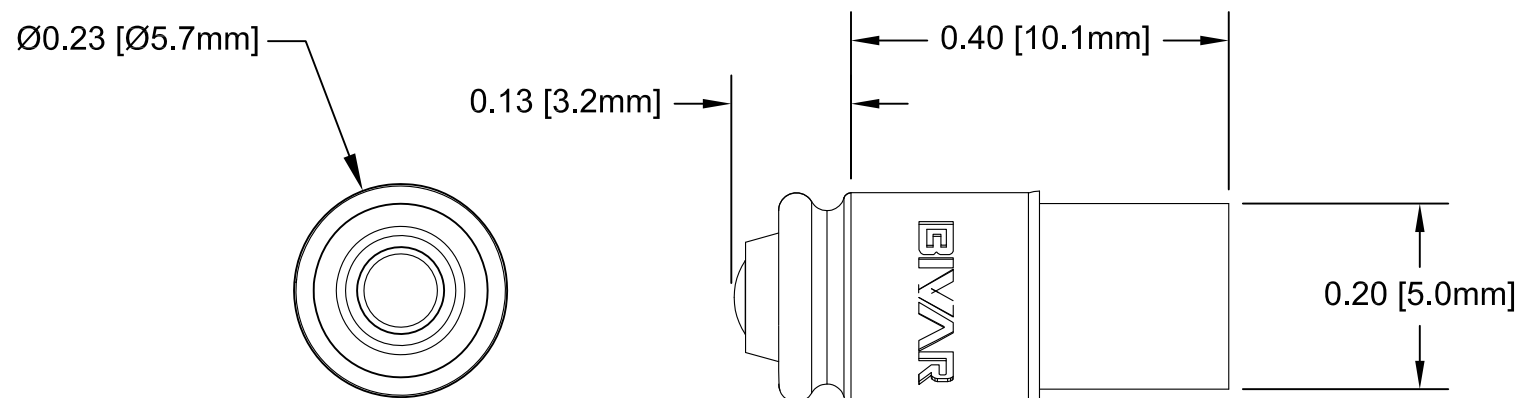


REV.	DESCRIPTION	DATE	APPROVED
A	Engineering Release	10/21/13	G. W.



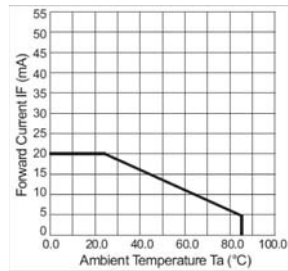
NOTES:

2. DIRECT REPLACEMENT FOR T1 $\frac{3}{4}$ MIDGET GROOVE S5.7s BASED LAMPS
1. CENTER CONTACT ANODE

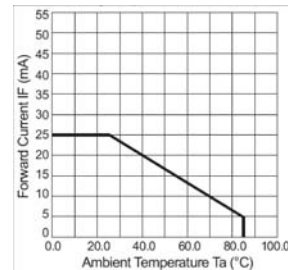
STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
DECIMALS	ANGULAR		
.X $\pm .1$	X° $\pm 1^\circ$	 TITLE: 205 SERIES INCANDESCENT REPLACEMENT LEDS	
.XX $\pm .02$			
.XXX $\pm .010$		PART NO: LFR-205X-XXX	
DESIGNED: Alex Wright	DATE: 10/21/13	CAGE CODE : 32559 SHEET # 1 OF 2	
CHECKED: Minh Doan	DATE: 10/21/13	CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.	
		REVISION: A	

DERATING CURVES

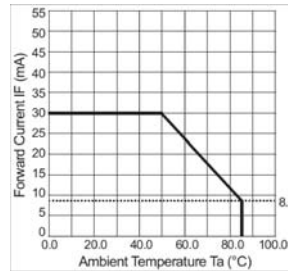
Derating Graph 1



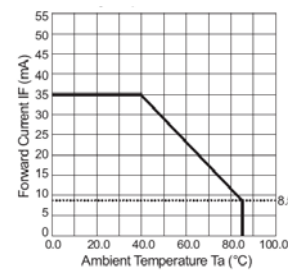
Derating Graph 2



Derating Graph 3



Derating Graph 4



ABSOLUTE MAXIMUM RATINGS (Ta = 25°C)

MAXIMUM POWER DISSIPATION _____ 500 mW

OPERATING TEMPERATURE RANGE _____ -40°C ~ 85°C

STORAGE TEMPERATURE _____ -40°C ~ 100°C

REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1		

Bivar Part Number	Wave Length λ_p (nm)	Emitted Color	Lens Appearance	Operating Voltage	Electro-Optical Data		Viewing Angle	De-rating Graphs
				Vopr (Vdc)	Current DC (mA)	Iv (mcd)		
				TYP	TYP	TYP		
LFR-205R12V	630	RED	CLEAR	12	10	600	120	1
LFR-205R28V	630	RED	CLEAR	28	8	600	120	1
LFR-205Y12V	585	YELLOW	CLEAR	12	10	600	120	1
LFR-205Y28V	585	YELLOW	CLEAR	28	8	600	120	1
LFR-205G12V	515	GREEN	CLEAR	12	10	800	120	2
LFR-205G28V	515	GREEN	CLEAR	28	8	800	120	2
LFR-205B12V	465	BLUE	CLEAR	12	10	230	120	4
LFR-205B28V	465	BLUE	CLEAR	28	14	230	120	4
Bivar Part Number	Chromaticity Coordinates	Emitted Color	Lens Appearance	Operating Voltage	Electro-Optical Data		Viewing Angle	De-rating Graphs
				Vopr (Vdc)	Current DC (mA)	Iv (mcd)		
				TYP	TYP	TYP		
LFR-205WW12V	X=0.4255~0.4680 Y=0.4000~0.4385	WARM WHITE	CLEAR	12	10	850	120	3
LFR-205WW28V	X=0.4255~0.4680 Y=0.4000~0.4385	WARM WHITE	CLEAR	28	8	850	120	3
LFR-205CW12V	X=0.31 Y=0.32	COOL WHITE	CLEAR	12	10	1100	120	3
LFR-205CW28V	X=0.31 Y=0.32	COOL WHITE	CLEAR	28	8	1100	120	3

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
DECIMALS ANGULAR			
		TITLE: 205 SERIES INCANDESCENT REPLACEMENT LED	
DESIGNED: Alex Wright	DATE: 10/21/13	PART NO: LFR-205X-XXX	REVISION: A
CHECKED: Minh Doan	DATE: 10/21/13	CAGE CODE : 32559	SHEET # 2 OF 2
CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.			