

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



NOTES:

2. DIRECT REPLACEMENT FOR T1  $\frac{3}{4}$  MIDGET FLANGE SX6s BASED LAMPS
1. CENTER CONTACT ANODE

STANDARD TOLERANCE ( UNLESS OTHERWISE SPECIFIED )		 4 THOMAS, IRVINE, CA. 92618		
DECIMALS	ANGULAR			
.X ± .1	X° ± 1°		<b>TITLE:</b> 206 SERIES INCANDESCENT REPLACEMENT LED	
.XX ± .02				<b>DESIGNED:</b> Alex Wright
.XXX ± .010				<b>DATE:</b> 10/21/13
<b>CHECKED:</b> Minh Doan		<b>DATE:</b> 10/21/13	<b>PART NO:</b> LFR-206X-XXX	<b>REVISION:</b> A
			<b>CAGE CODE :</b> 32559	<b>SHEET # 1 OF 2</b>
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REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1		

## DERATING CURVES

Derating Graph 1



Derating Graph 2



Derating Graph 3



Derating Graph 4



Bivar Part Number	Wave Length $\lambda_p$ (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-206R12V	630	RED	CLEAR	12	10	600	120	1
LFR-206R28V	630	RED	CLEAR	28	8	600	120	1
LFR-206Y12V	585	YELLOW	CLEAR	12	10	600	120	1
LFR-206Y28V	585	YELLOW	CLEAR	28	8	600	120	1
LFR-206G12V	515	GREEN	CLEAR	12	10	800	120	2
LFR-206G28V	515	GREEN	CLEAR	28	8	800	120	2
LFR-206B12V	465	BLUE	CLEAR	12	10	230	120	4
LFR-206B28V	465	BLUE	CLEAR	28	8	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-206WW12V	X=0.4255~0.4680 Y=0.4000~0.4385	WARM WHITE	CLEAR	12	10	850	120	3
LFR-206WW28V	X=0.4255~0.4680 Y=0.4000~0.4385	WARM WHITE	CLEAR	28	8	850	120	3
LFR-206CW12V	X=0.31 Y=0.32	COOL WHITE	CLEAR	12	10	1100	120	3
LFR-206CW28V	X=0.31 Y=0.32	COOL WHITE	CLEAR	28	8	1100	120	3

## ABSOLUTE MAXIMUM RATINGS (Ta = 25°C)

MAXIMUM POWER DISSIPATION \_\_\_\_\_ 500 mW  
 OPERATING TEMPERATURE RANGE \_\_\_\_\_ -40°C ~ 85°C  
 STORAGE TEMPERATURE \_\_\_\_\_ -40°C ~ 100°C

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>Alex Wright</b>	DATE: <b>10/21/13</b>	TITLE: 206 SERIES INCANDESCENT REPLACEMENT LED	
CHECKED: <b>Minh Doan</b>	DATE: <b>10/21/13</b>	PART NO: <b>LFR-206X-XXX</b>	REVISION: <b>A</b>
		CAGE CODE : 32559	SHEET # 2 OF 2
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