

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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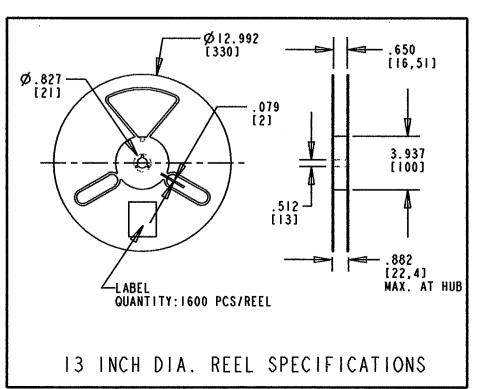


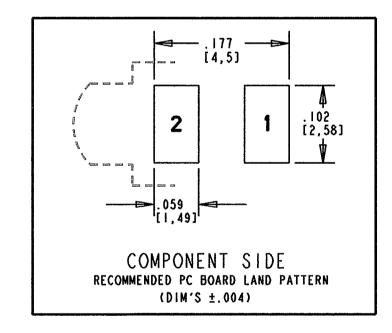


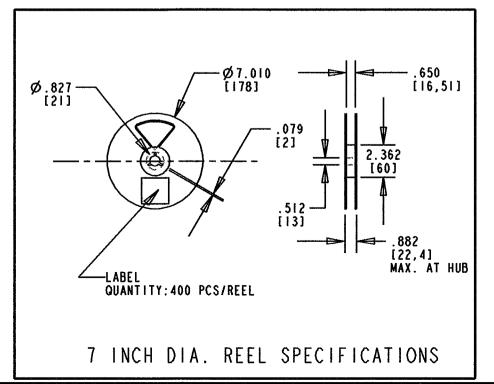
PART NUMBER	LED COLOR
591-2004-102F	
591-2004-107F	RED
591-2004-113F	
591-2304-102F	
591-2304-107F	GREEN
591-2304-113F	
591-2404-102F	
591-2404-107F	YELLOW
591-2404-113F	
591-2504-102F	
591-2504-107F	ORANGE
591-2504-113F	

Δ1	PERATING	CHADACTE	2217216	AT 25°C	AMD I CAIT	
		y			·	TEGT CONSTITUTE
CHARACTERISTICS	COLOR	MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	RED		30			Ir=2 mA
	GREEN		10			
	YELLOW		40			
	ORANGE		55		mc d	
	RED		80		"""	
	GREEN		40			Ir=10 mA
	YELLOW		140			
	ORANGE		150			
FORWARD VOLTAGE	RED	1.7	1.8	2.2		Ir=2mA
	GREEN	1.7	1.8	2.2	v	
	YELLOW	1.7	1.8	2.2		
	ORANGE	1.7	1.8	2.2		
	RED		0.01	10	- Αμ	V = 12 V
DEVEDEE CHODENT	GREEN		0.01	10		
REVERSE CURRENT	YELLOW		0.01	10		
	ORANGE		0.01	10		
VIEWING ANGLE		40		Degree		
DOMINANT WAVELENGTH	RED	624	630	636		
	GREEN	566	570	575	nm	Ir=2mA
	YELLOW	580	587	595		
	ORANGE	600	606	609		
PEAK WAVELENGTH	RED		643		nm	Ir = 2 mA
	GREEN	_	572			
	YELLOW	_	591			
	ORANGE		610			

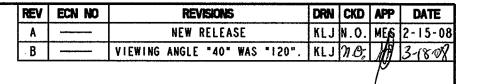
.014 [0,36]	CATHODE (1,75) (1,57) (4) (1,5) (630) (16) (17,5) (17,5) (18)
	DIRECTION OF FEED NLESS OTHERWISE SPECIFIED ONS SHOWN FOR REFERENCE ONLY

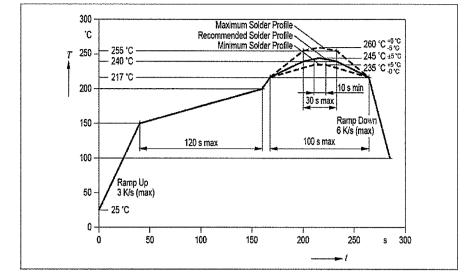




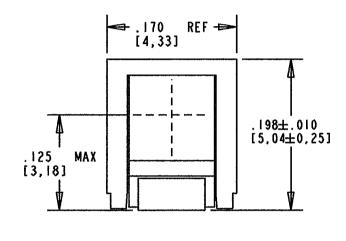


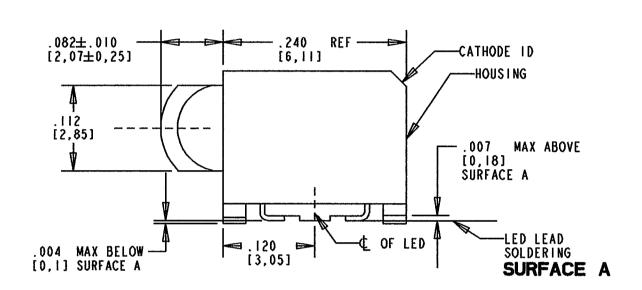
ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT		
POWER CONSUMPTION	50	Wm
FORWARD CURRENT	20	mA
SURGE CURRENT	100	mA
REVERSE VOLTAGE	12	٧
OPERATING TEMPERATURE	-40 TO +100	°C
STORAGE TEMPERATURE	-40 TO +100	°C

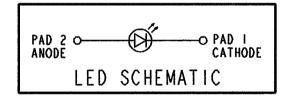




Rohs Compliant Reflow Profile







RoHS Compliant 591-2X04-1XXF

Part Numbers with the "F" suffix ending are RoHS Compliant.

Example: 591-2004-102F

Packaging is marked with "RoHS Compliant" label or equivalent markings. Parts can be reflow soldered per RoHS reflow profile, wave soldered, dip soldered, or hand soldered using typical lead-free soldering process with max 260°C temp. for 5 sec.

NOTES :

- I. MILLIMETER DIMENSIONS SHOWN FOR REFERENCE ONLY.
- 2. PAD NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
- 3. STORAGE CONDITIONS FOR TAPED PRODUCT: RE-TAPING MAY BE NECESSARY FOR PRODUCT STORED MORE THAN TWELVE MONTHS.
- 4. ORDER QUANTITY IS LED ASSEMBLIES, NOT REELS.
- 5. ...-102F SUFFIX MEANS PARTS ARE PACKED ON A 20 PCS. SAMPLE STRIP
 ...-107F SUFFIX MEANS PARTS ARE PACKED ON A 7 INCH REEL, 400 pcs/REEL
 ...-113F SUFFIX MEANS PARTS ARE PACKED ON A 13 INCH REEL, 1600 pcs/REEL
- 6. LENS MOVEMENT IN RELATIONSHIP TO THE HOUSING IS: .009" T.I.R. VERTICALLY .007" T.I.R. HORIZONTALLY
- 7. FRONT AND REAR TERMINALS OF THE ASSEMBLY TO BE WITHIN .005 COPLANARITY.
- 8. DIALIGHT PART NUMBERS: 591-2X04-102F, 591-2X04-107F, 591-2X04-113F.
- DEVICE HAS A MOISTURE SENSITIVITY LEVEL "2" CAUTION LABEL APPLIED AS PER JEDEC STD. 033.
- 10. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS).
 MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND
 STORAGE IN ACCORDANCE WITH IPC-A-610.



THE SOLE PROPERTY OF CONSTRUCTION	THE CONTENTS HEREIN ARE CONFIDENTIAL OF DIALIGHT. REPRODUCTION OF THIS DI I OF ANY PARTS WITHIN THIS DRAWING A OUT THE WRITTEN CONSENT OF DIALIGHT	RAWING RE		
SCALE: DRAWING SCALE	DRAWING NUMBER	REV		
ALL DIM'S IN: INCHES (NM)	C-17552	p		
TOLERANCES: UNLESS OTHERWISE SPECIFIED	C-11332	ט		
FRACTIONS: 土1/64 DECIMALS (.XX): 土.01	TITLE LOW CURRENT SURFACE MOUNT CBI - SQUARE LENS; ROHS COMPLIANT			
DECIMALS (.XXX): 士.005 DECIMALS (.XXXX): 士.0005 ANGLES: 士1°	MATERIAL			
FINISH:	Dialight 1501 ROUTE 3			
FSCM 83330	SHEET I OF I FAMILY TABLES:			