



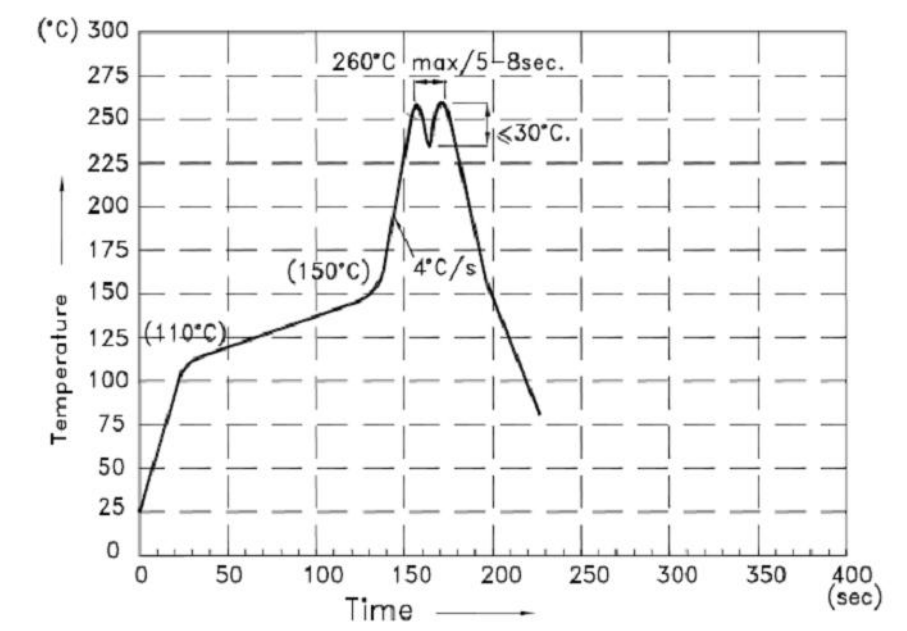
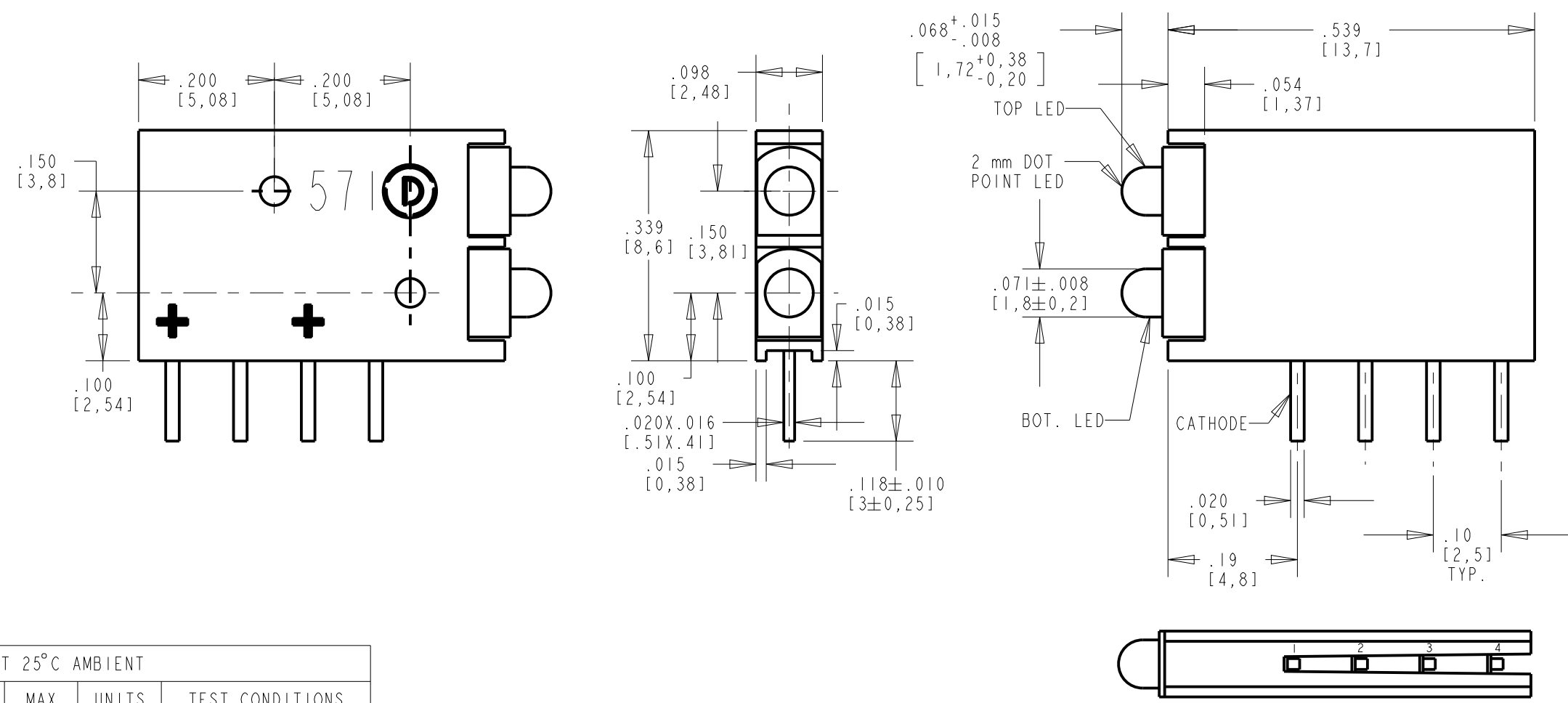
**THE DATASHEET OF**  
**5710111F**



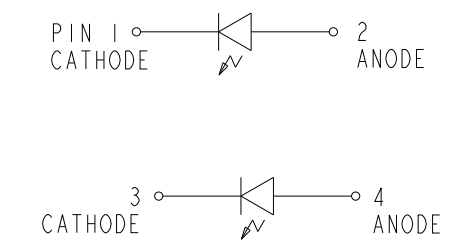
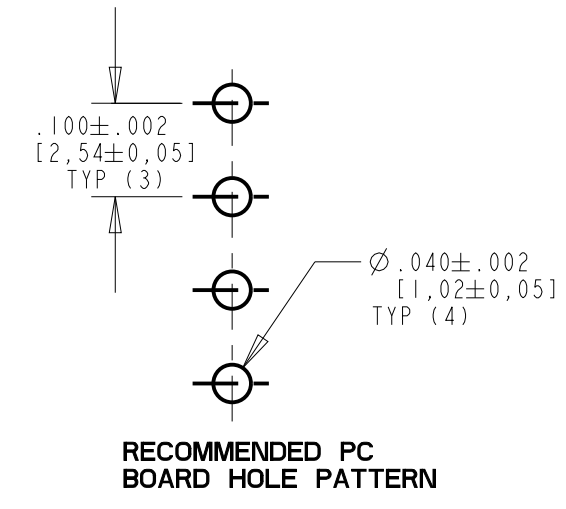
ASSY. NO.	LED COLOR (DIFFUSED)	
	TOP POSITION	BOTTOM POSITION
571-0101F	BLANK	RED
571-0102F	BLANK	GREEN
571-0103F	BLANK	YELLOW
571-0110F	RED	BLANK
571-0111F	RED	RED
571-0112F	RED	GREEN
571-0113F	RED	YELLOW
571-0120F	GREEN	BLANK
571-0121F	GREEN	RED
571-0122F	GREEN	GREEN
571-0123F	GREEN	YELLOW
571-0130F	YELLOW	BLANK
571-0131F	YELLOW	RED
571-0132F	YELLOW	GREEN
571-0133F	YELLOW	YELLOW

RoHS Compliant 571-01XXF  
 Part Numbers with the "F" suffix ending are RoHS Compliant.  
 Example: 571-0112F  
 Packaging is marked with "RoHS Compliant" label or equivalent markings.  
 Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 5 sec.

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A		NEW RELEASE	CE	AE	NO	1-24-08
B		ADDED WAVE SOLDERING PROFILE & NOTES 5,6,7,8,9	AJF	KLJ	NO	9-21-11

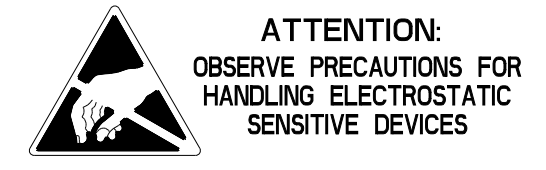


OPERATING CHARACTERISTICS AT 25°C AMBIENT						
CHARACTERISTICS	COLOR	MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	RED	8	15		mcd	I <sub>F</sub> = 10 mA
	YELLOW	5	8			
	GREEN	5	10			
FORWARD VOLTAGE	RED		2.0	2.5	V	I <sub>F</sub> = 20 mA
	YELLOW		2.1	2.5		
	GREEN		2.2	2.5		
DOMINANT WAVELENGTH	RED		625		nm	
	YELLOW		588			
	GREEN		568			
PEAK EMISSION WAVELENGTH	RED		627		nm	
	YELLOW		590			
	GREEN		565			
VIEWING ANGLE 2θ1/2	RED		70		Degree	
	YELLOW		70			
	GREEN		70			
CAPACITANCE	RED		15		pF	V <sub>F</sub> = 0 V, f = 1 MHz
	YELLOW		20			
	GREEN		15			



ABSOLUTE MAXIMUM RATING AT 25°C AMBIENT				
POWER DISSIPATION	105	105	105	mW
FORWARD CURRENT	30	30	25	mA
DERATING LINEAR FROM 25 °C		.40	.33	mA/°C
REVERSE VOLTAGE		5		V
LEAD SOLDERING TEMPERATURE, 5 SEC., 1/16" FROM BODY		260		°C
OPERATING TEMPERATURE		-40 TO +85		°C
STORAGE TEMPERATURE		-40 TO +85		°C

- NOTES:
- LED LEAD DIMENSIONS ARE MEASURED AT HOUSING EXIT.
  - PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PARTS
  - DIALIGHT PART NUMBERS: 571-01XXF
  - THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.
  - RECOMMENDED WAVE SOLDERING TEMPERATURE: 245°C-260°C.
  - DO NOT APPLY STRESS TO THE EPOXY RESIN WHEN TEMPERATURE IS ABOVE 85°C.
  - SOLDERING PROFILE APPLIES TO LEAD FREE SOLDERING PROCESS (Sn/Cu/Ag ALLOY).
  - DURING WAVE SOLDERING, THE PCB TOP SURFACE SHOULD BE KEPT BELOW 105°C.
  - DO NOT SOLDER MORE THAN ONCE.



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SCALE: DRAWING SCALE	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-17454	B
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE 2mm LED BI-LEVEL CBI	
FRACTIONS: ±1/64	RoHS COMPLIANT	
DECIMALS (.XX): ±.01	MATERIAL	
DECIMALS (.XXX): ±.005	FINISH:	
DECIMALS (.XXXX): ±.0005	Dialight	
ANGLES: ±1°	1501 ROUTE 34 SOUTH	
	FARMINGDALE, NJ 07727	
FSCM 83330	SHEET 1 OF 1	FAMILY TABLE:

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