



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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DIALIGHT PART NUMBER	LED & LENS COLOR	TEST CONDITIONS	OPERATING CHARACTERISTICS AT 25°C AMBIENT								
			LUMINOUS INTENSITY (mcd)		FORWARD VOLTAGE (V)		FORWARD CURRENT (mA)		DOMINANT WAVELENGTH (nm)	PEAK WAVELENGTH (nm)	VIEWING ANGLE (DEG)
			MIN	TYP	TYP	MAX	MIN	MAX	TYP	TYP	TYP
555-5001F	RED, TINTED, DIFFUSED	I <sub>F</sub> = 10mA	0.4	0.6	1.6	2.0	—	—	640	655	35
555-5003F	RED, TINTED, DIFFUSED, INT RES, 5V	V <sub>F</sub> = 5V	1.0	2.5	—	—	3.7	8.70	640	655	35
555-5007F	RED, TINTED, DIFFUSED, INT RES, 5V	V <sub>F</sub> = 5V	0.4	0.6	—	—	2.2	4.3	640	655	35
555-5008F	RED, TINTED, DIFFUSED, INT RES, 24V	V <sub>F</sub> = 24V	0.4	0.6	—	—	2.3	4.1	640	655	35
555-5009F	RED, TINTED, DIFFUSED, INT RES, 5V	V <sub>F</sub> = 5V	0.4	0.6	—	—	2.6	—	640	655	35
555-5301F	HI. PERF. GREEN, TINTED, DIFFUSED	I <sub>F</sub> = 10mA	6.3	25	2.1	2.7	—	—	569	565	35
555-5303F	HI. PERF. GREEN, TINTED, DIFF, INT RES, 5V	V <sub>F</sub> = 5V	1.0	2.0	—	—	3.3	13.0	569	565	35
555-5401F	YELLOW, TINTED, DIFFUSED	I <sub>F</sub> = 10mA	16	50	2.0	2.4	—	—	585	583	35
555-5403F	YELLOW, TINTED, DIFFUSED, INT RES, 5V	V <sub>F</sub> = 5V	1.6	5.0	—	—	3.5	5.3	585	583	35

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	KLJ	NO	MES	8-4-09
B	—	ADDED TEST CONDITIONS COLUMN TO OPERATING CHARACTERISTICS; REARRANGED NOTES	AJF	KLJ	NO	7-30-09
C	—	CHANGED P/N/LOGO/ANODE MARK FROM PRINTED TO RECESSED	RSK	WFB	NO	12-11-14

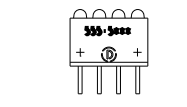
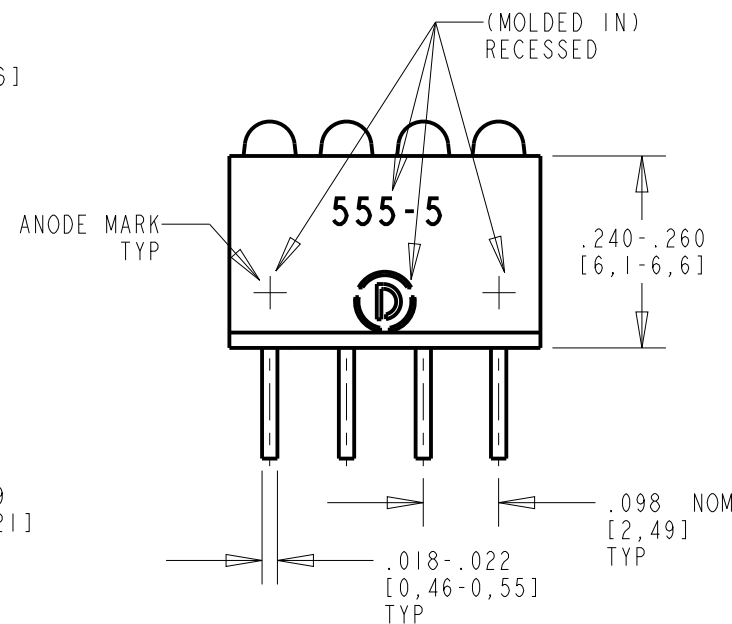
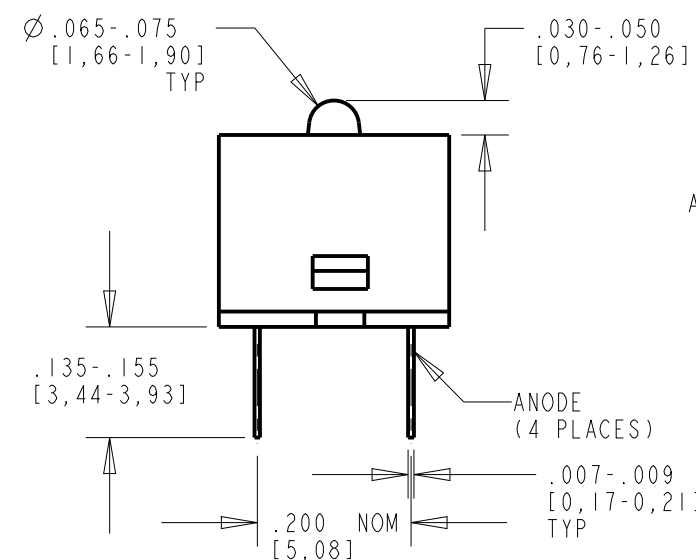
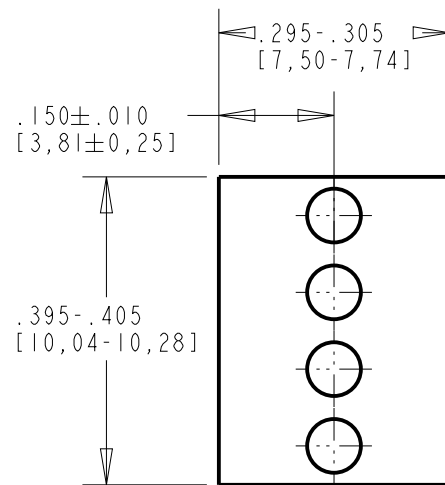


**ATTENTION:**  
OBSERVE PRECAUTIONS FOR  
HANDLING ELECTROSTATIC  
SENSITIVE DEVICES

### RoHS Compliant 555-5X0XF

Part Numbers with the "F" suffix ending are RoHS Compliant.  
Example: 555-5001F  
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.

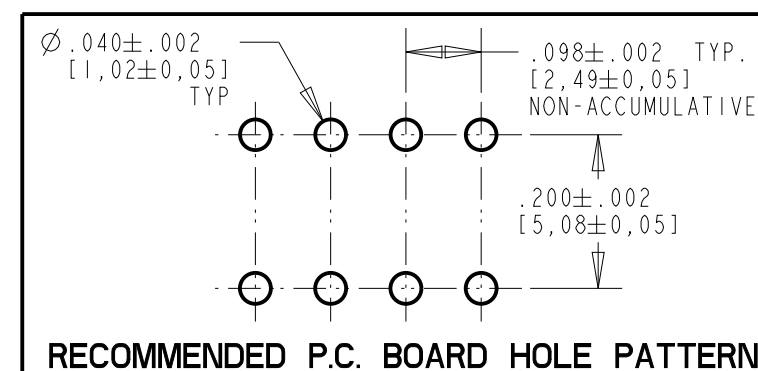
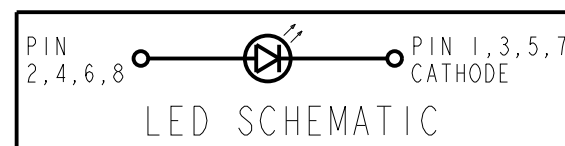
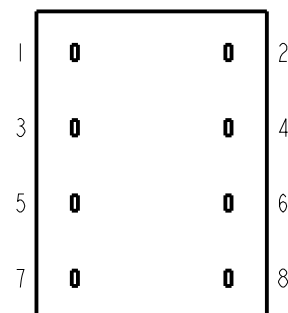
LED COLOR	ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT					
	DC FORWARD VOLTAGE	DC FORWARD CURRENT	REVERSE VOLTAGE (I <sub>R</sub> =100μA)	OPERATING TEMPERATURE (°C)	STORAGE TEMPERATURE (°C)	SOLDERING TEMPERATURE (FOR 5 SEC)
RED	—	50 mA	5 V	-55 to +100	-55 TO +100	260 °C
RED, INT RES, 5V	6 V	—	5 V	-40 to +85	-55 TO +100	260 °C
RED, INT RES, 24V	24 V	—	5 V	-40 to +85	-55 TO +100	260 °C
GREEN	—	30 mA	5 V	-40 to +100	-55 TO +100	260 °C
GREEN, INT RES, 5V	6 V	—	5 V	-20 to +85	-55 TO +100	260 °C
YELLOW	—	20 mA	5 V	-55 to +100	-55 TO +100	260 °C
YELLOW, INT RES, 5V	6 V	—	5 V	-40 to +85	-55 TO +100	260 °C



SCALE 1.000

**NOTES:**

- PIN NUMBERS FOR REFERENCE ONLY. DESIGNATION NON-EXISTENT ON PART.
- DIALIGHT PART NUMBERS: 555-5X0XF.
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.
- LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
- LEADS TO FIT INTO HOLES SPACED AS PER PATTERN.
- LED LEADS - PURE Sn PLATING OVER OLIN 194 COPPER ALLOY BASE METAL.



THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT.		
SCALE: 4.000 ALL DIM'S IN: INCHES (MM)	DRAWING NUMBER C-17708	REV C
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.02 DECIMALS (.XXX): ±.015	TITLE Ø2mm QUAD CBI TOP VIEW RoHS COMPLIANT	
ANGLES: ±3° FINISH:	MATERIAL	
FSCM 83330	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
SHEET 1 OF 1 FAMILY TABLE:		