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
555-2001F	RED, TINTED, DIFFUSED	I_F = 10mA	0.4	0.6	1.6	2.0	—	—	640	655	35
555-2003F	RED, TINTED, DIFFUSED, INT RES, 5V	V_F = 5V	1.0	2.5	—	—	3.7	8.70	640	655	35
555-2007F	RED, TINTED, DIFFUSED, INT RES, 5V	V_F = 5V	0.4	0.6	—	—	2.2	4.3	640	655	35
555-2008F	RED, TINTED, DIFFUSED, INT RES, 24V	V_F = 24V	0.4	0.6	—	—	2.3	4.1	640	655	35
555-2009F	RED, TINTED, DIFFUSED, INT RES, 5V	V_F = 5V	0.4	0.6	—	—	—	2.6	640	655	35
555-2301F	HI. PERF. GREEN, TINTED, DIFFUSED	I_F = 10mA	6.3	25	2.1	2.7	—	—	569	565	35
555-2303F	HI. PERF. GREEN, TINTED, DIFF, INT RES, 5V	V_F = 5V	1.0	2.0	—	—	3.3	13.0	569	565	35
555-2401F	YELLOW, TINTED, DIFFUSED	I_F = 10mA	16	50	2.0	2.4	—	—	585	583	35
555-2403F	YELLOW, TINTED, DIFFUSED, INT RES, 5V	V_F = 5V	1.6	5.0	—	—	3.5	5.3	585	583	35

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	CE	AE	N.O.	4-18-07
B	—	ADDED P/N'S 555-2001F, -2008F, -2301F, -2401F; UPDATED SPECS; ADDED LED SCHEM; CHANGED NOTES 1 & 2; ADDED NOTES 4, 5, & 6; ADDED HOLE PATTERN; REMOVED "INTEGRAL RESISTOR, 5V" FROM TITLE BLOCK.	AJF	KLJ	NO	7-30-09
C	—	CHANGED P/N/LOGO FROM PRINTED TO RECESSED	RSK	WFB	NO	12-11-14

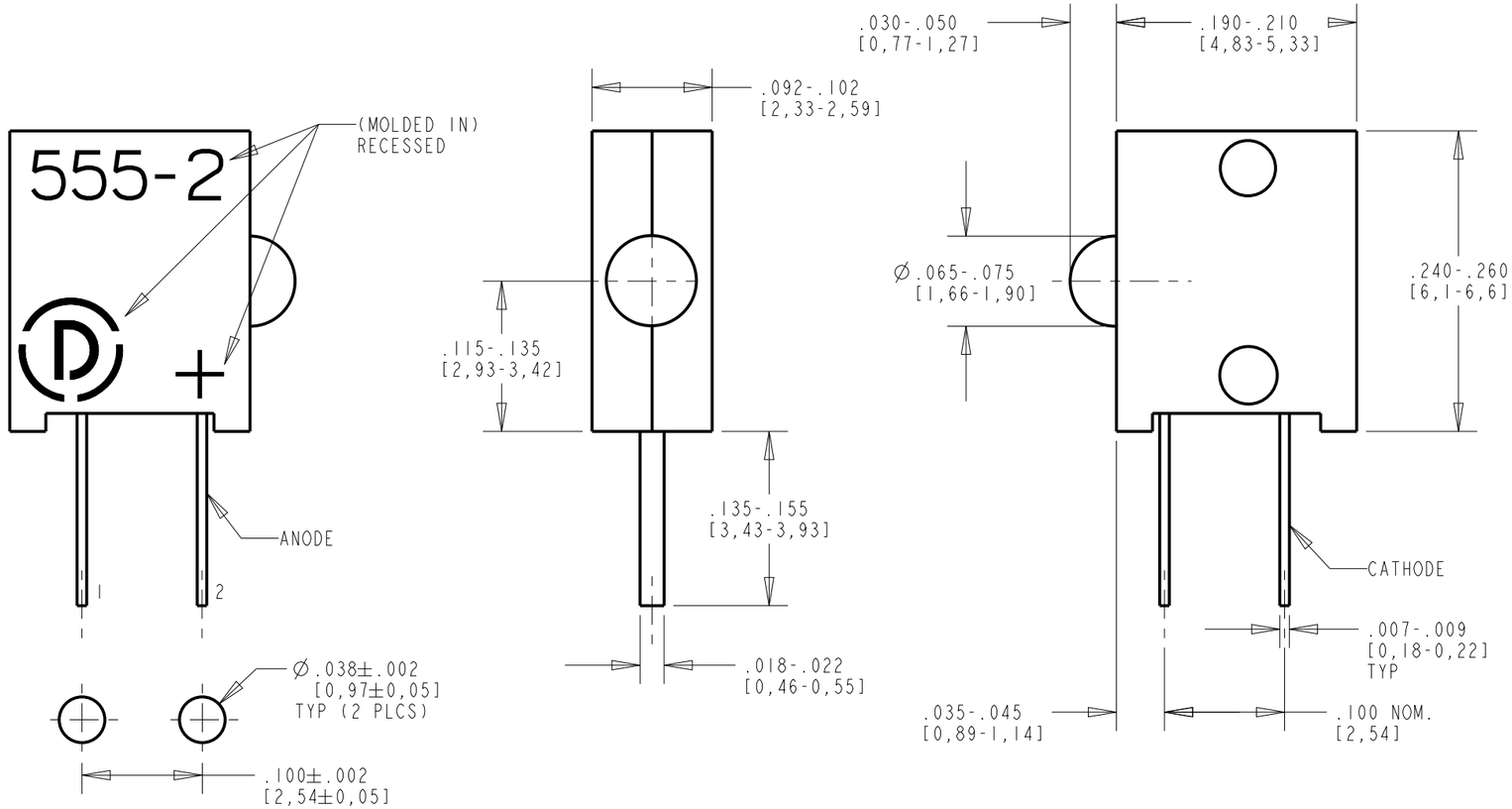
ABSOLUTE MAXIMUM RATINGS (AT 25°C AMBIENT)	RED	RED INT RES, 5V	RED INT RES, 24V	GREEN	GREEN INT RES, 5V	YELLOW	YELLOW INT RES, 5V	UNITS
DC FORWARD VOLTAGE	—	6	24	—	6	—	6	V
DC FORWARD CURRENT	50	—	—	30	—	20	—	mA
REVERSE VOLTAGE (I_R=100μA)	5							V
OPERATING TEMPERATURE	-55 to +100	-40 to +85	-40 to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

RoHS Compliant 555-2XXXF

Part Numbers with the "F" suffix ending are RoHS Compliant.
Example: 555-2303F
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.

NOTES:

1. PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
2. DIALIGHT PART NUMBERS: 555-2XXXF.
3. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.
4. LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
5. LEADS TO FIT INTO HOLES SPACED AS PER PATTERN.
6. LED LEADS - PURE Sn PLATING OVER OLIN 194 COPPER ALLOY BASE METAL



RECOMMENDED HOLE PATTERN

ATTENTION:
OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES

ACTUAL SIZE

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: 8.000
ALL DIM'S IN: INCHES (MM)
TOLERANCES: UNLESS OTHERWISE SPECIFIED
FRACTIONS: ±1/64
DECIMALS (.XX): ±.02
DECIMALS (.XXX): ±.015
ANGLES: ±3°
FINISH:
FSCM 83330

DRAWING NUMBER: C-17461
REV: C
TITLE: Ø2mm SINGLE CBI, RIGHT ANGLE RoHS COMPLIANT
MATERIAL:

Dialight
1501 ROUTE 34 SOUTH
FARMINGDALE, NJ 07727

SHEET 1 OF 1
FAMILY TABLE: