

PART NUMBER	LED COLOR
550-0507-801F	RED DIFFUSED, 5V

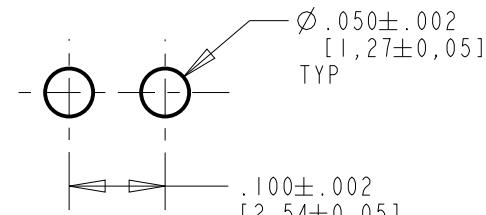
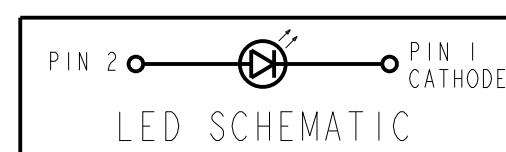
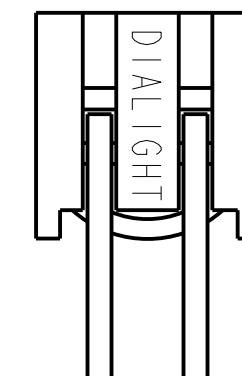
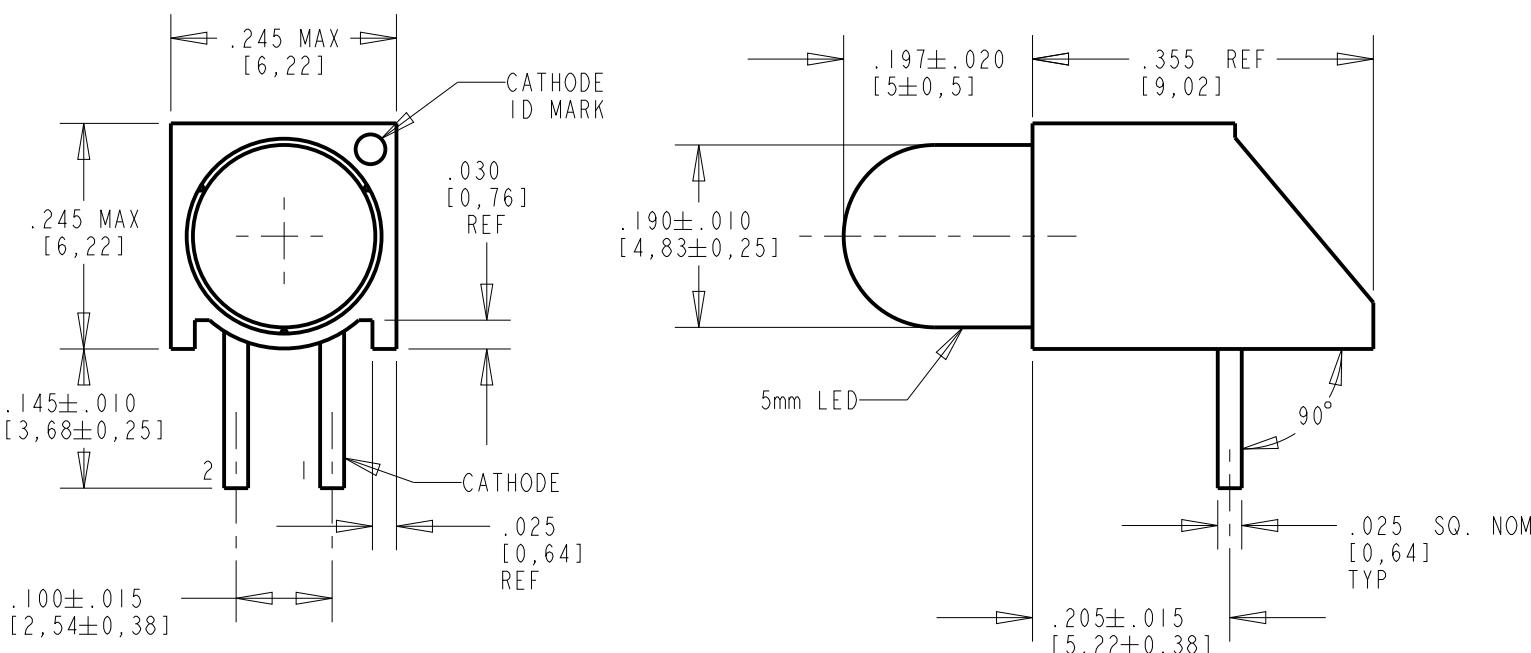
REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	RSK	WFB	NO	12/18/14

OPERATING CHARACTERISTICS AT $T_A = 25^\circ\text{C}$

LED CHARACTERISTICS	MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	2.1	—	—	mcd	$V_F = 5\text{ V}$
PEAK WAVELENGTH	—	635	—	nm	
VIEWING ANGLE ($2\theta/2$)	—	60	—	DEG	
FORWARD CURRENT	—	10	15	mA	$V_F = 5\text{ V}$

ABSOLUTE MAXIMUM RATINGS AT $T_A = 25^\circ\text{C}$

PARAMETER	VALUE	UNITS
DC FORWARD VOLTAGE	7.5	V
REVERSE VOLTAGE ($I_R = 100\mu\text{A}$)	5	V
DERATE LINEARLY FROM 50°C	.071	$\text{V}/^\circ\text{C}$
OPERATING TEMPERATURE RANGE	-40 to +85	$^\circ\text{C}$
STORAGE TEMPERATURE RANGE	-55 to +100	$^\circ\text{C}$
SOLDER WAVE TEMPERATURE 3 SEC. MAX	250	$^\circ\text{C}$
MANUAL SOLDER DIPPING 5 SEC.	260	$^\circ\text{C}$



RECOMMENDED HOLE PATTERN GAUGE

NOTES:

1. LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
2. LEADS TO FIT INTO HOLES SPACED AS PER PATTERN.
3. PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
4. PARTS ARE PACKAGED USING METALLIC ANTI-STATIC BAG, QTY 100 PER BAG.
5. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.

RoHS COMPLIANT 550-0507-801F

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



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

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DRAWING NUMBER	REV
C-1814	A
TITLE	5mm LED CBI, INTEGRAL RESISTOR W/ESD BAG
MATERIAL	Dialight
FSCM	83330
SHEET	1 OF 1
FAMILY TABLE	