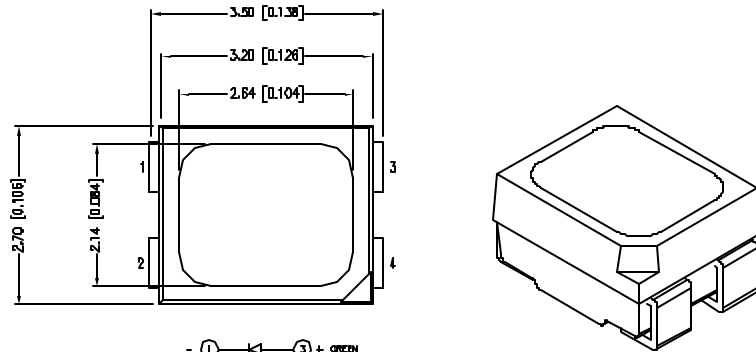
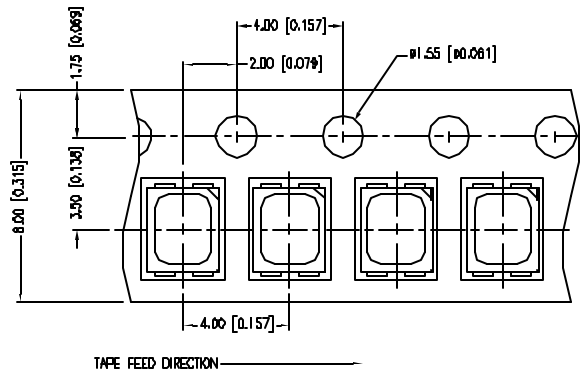
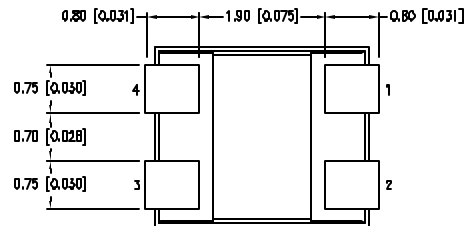
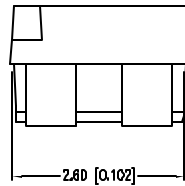
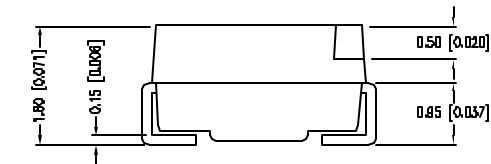
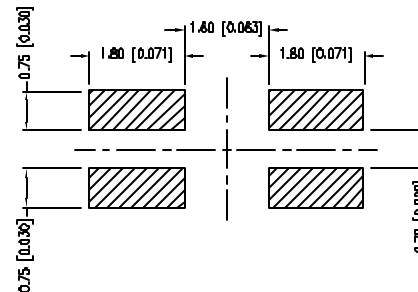




- ① — ③ — GREEN
+ ② — ④ — RED



RECOMMENDED SOLDER PAD LAYOUT

ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$ $I_f = 20\text{mA}$

PARAMETER	COLOR	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635			nm	
		565			nm	
FORWARD VOLTAGE	(R/G)	2.0/2.2	2.5/2.6		V _f	$I_f = 100\mu\text{A}$
REVERSE VOLTAGE		5.0			V _r	$I_f = 20\text{mA}$
AXIAL INTENSITY	(R/G)	25/25			md	
VIEWING ANGLE		120			2x theta	
EMITTED COLOR	RED/GREEN					
EPOXY LENS FINISH	WATER CLEAR					

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

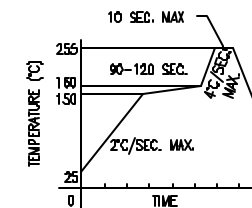
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT (R/G)	30/25	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	- 1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-40 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+ 260	$^\circ\text{C}$
2.0mm FROM BODY	3	SEC. MAX

* $t < 10\mu\text{s}$

NOTES:

1. THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.
2. 2,000 PER REEL.

LEAD FREE REFLOW PROFILE

TOTAL TIME ABOVE 220°C IS 80 SECONDS MAX.CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.030), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= ±DECIMAL PRECISION MAX= +0.00 -DECIMAL PRECISION

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2.8mm x 3.2mm SML /W REFLECTOR CUP, DUAL CHIP, 635nm/565nm LED, WATER CLEAR LENS, 2k PER REEL.

*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.**

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DATE: D1.07.11

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PAGE: 1 OF 1

CHKD BY: KF

SCALE:

APRVD BY: JD

UNIT: mm [INCH]

