

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$					$I_f=20\text{mA}$	
PARAMETER	RED	GREEN	YELLOW	UNITS	TEST COND	
PEAK WAVELENGTH	660	585	590	nm		
FORWARD VOLTAGE TYP.	1.7	2.2	2.0	V_f		
FORWARD VOLTAGE MAX.	2.2	2.6	2.8	V_f		
REVERSE VOLTAGE	4.0	5.0	5.0	V_r		$I_f=100\mu\text{A}$
AXIAL INTENSITY	110	30	80	mod		$I_f=20\text{mA}$
VIEWING ANGLE	120	120	120	2θ theta		
EMITTED COLOR:	RED/GREEN/YELLOW					
EPOXY LENS FINISH:	WATER CLEAR LENS					

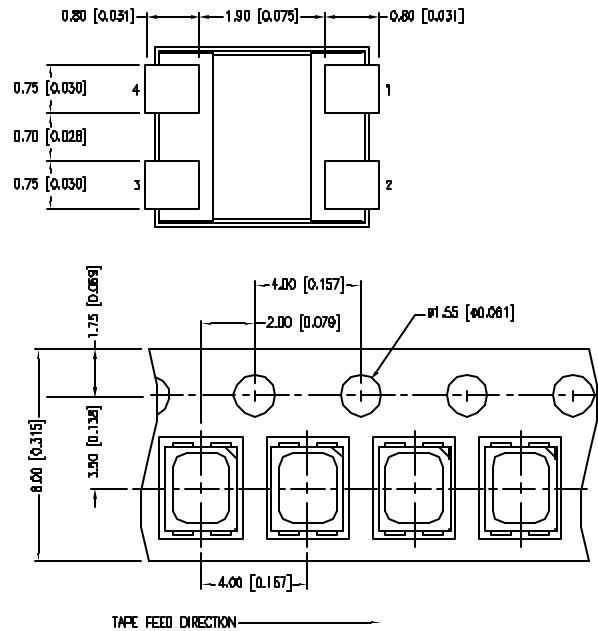
LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT* (R/G/Y)	200/160/160	mA
STEADY CURRENT (R/G/Y)	30/25/30	mA
POWER DISSIPATION (R/G/Y)	110/100/100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3	SEC. MAX

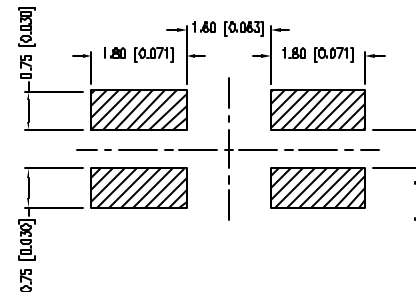
* $t < 10\mu\text{s}$

NOTES:

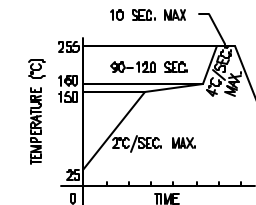
1. THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.
2. 2,000 PER REEL.



RECOMMENDED SOLDER PAD LAYOUT



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 UNCONTROLLED DOCUMENT



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2.8mm x 3.2mm SML /W REFLECTOR CUP, DUAL CHIP, 660nm/565nm/590nm LED, WATER CLEAR LENS, 2k

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

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