

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		$2 \times \theta$	
EMITTED COLOR:	RED/GREEN					
EPOXY LENS FINISH:	WATER CLEAR					

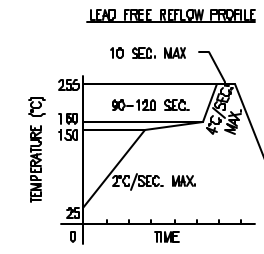
LIMITS OF SAFE OPERATION AT 25°C PER CHIP

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/°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.



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, 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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SCALE:	APRVD BY: JD
UNIT: mm [INCH]	

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