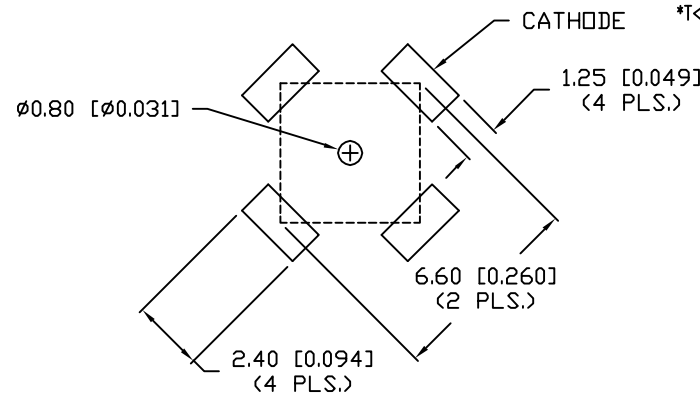
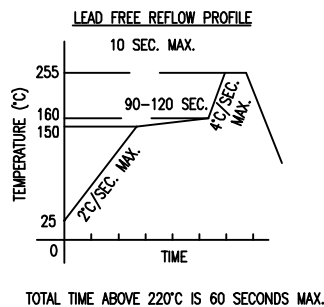
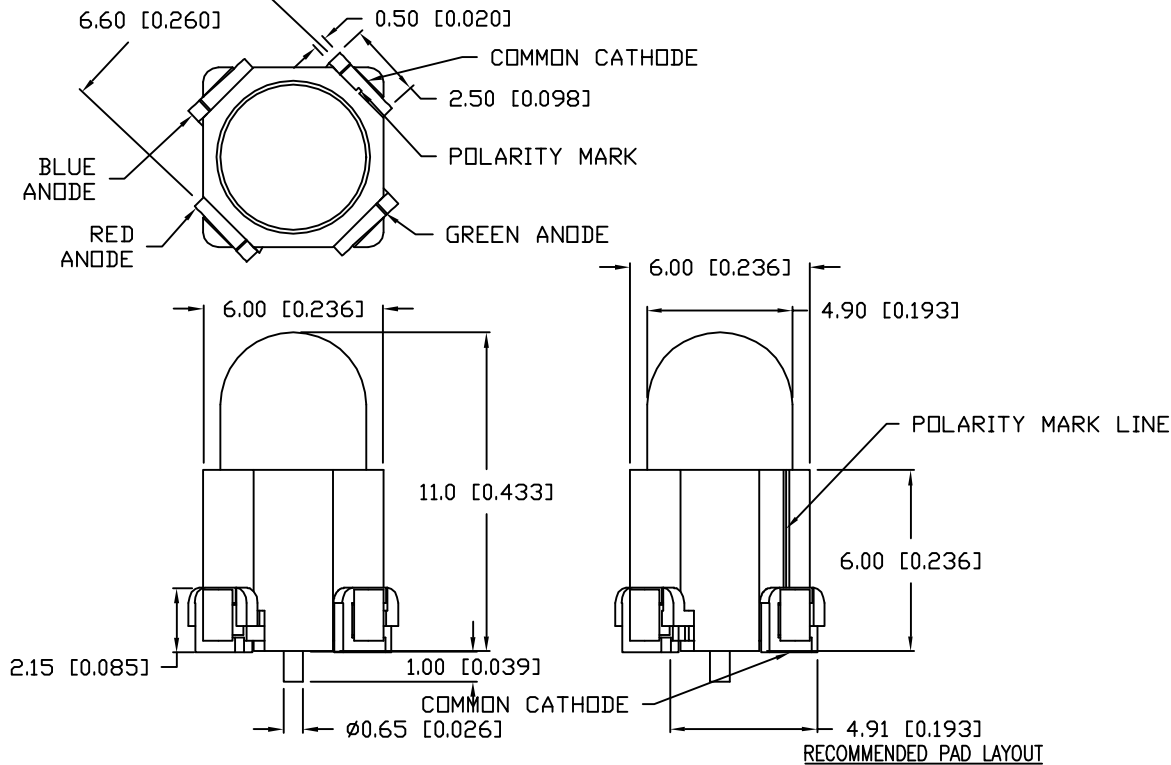


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PART NUMBER

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REV.

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660 (RED)		nm	
		430 (BLUE)		nm	
		565 (GREEN)		nm	
FORWARD VOLTAGE (R)		1.7	2.6	V _f	
(B)		4.5	5.5	V _f	
(G)		2.2	4.0	V _f	
REVERSE VOLTAGE	5.0			V _r	$I_f=100\mu\text{A}$
AXIAL INTENSITY (R/B/G)		35/3/25		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		70		2x theta	
EMITTED COLOR:		RED/BLUE/GREEN			
EPOXY LENS FINISH:		MILKY WHITE DIFFUSED			

LIMITS OF SAFE OPERATION AT 25°C PER DIE.

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	R/B/G	150/150/200	mA
STEADY CURRENT	R/B/G	30/30/25	mA
POWER DISSIPATION	R/B/G	105	mW
DERATE FROM 25°C		-1.2	mW/°C
OPERATING TEMP.		-30 TO +80	°C
STORAGE TEMP.		-40 TO +100	°C

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

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.
ESD CLASSIFICATION: CLASS II BASED ON MIL-STD 883E.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.=+DECIMAL PRECISION MAX.=+0.00 -DECIMAL PRECISION

REV.

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SML-H1505SRSGSBW

5mm SURFACE MOUNT DOMED LED,
RED/BLUE/GREEN, WATER CLEAR LENS.

CONFIDENTIAL INFORMATION

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RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

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