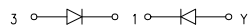
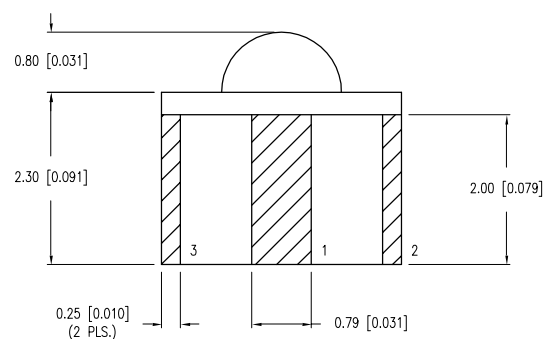
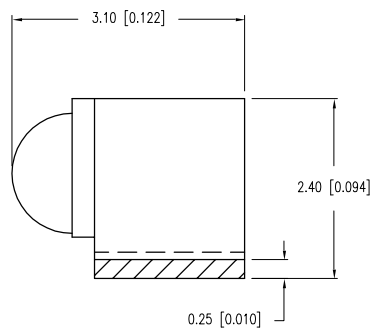
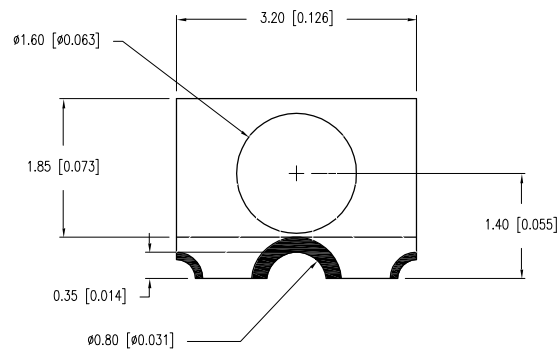
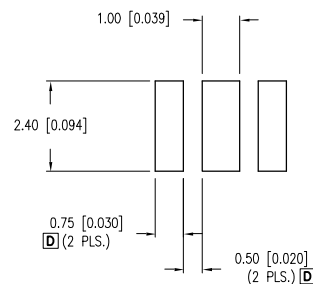


PART NUMBER	SMF-2432GYC-TR	REV.	C
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
01.15.07	E.C.N. #11148.		A
08.09.08	E.C.N. #11530.		B
11.06.08	E.C.N. #11540.		C



RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565 (GREEN)		nm	
		585 (YELLOW)		nm	
FORWARD VOLTAGE (G/Y)		2.2/2.1	2.6/2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (G/Y)		4/3		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		90		$2\times$ theta	
EMITTED COLOR:		GREEN/YELLOW			
EPOXY LENS FINISH:		WATER CLEAR LENS			

LIMITS OF SAFE OPERATION AT 25°C

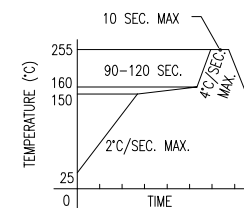
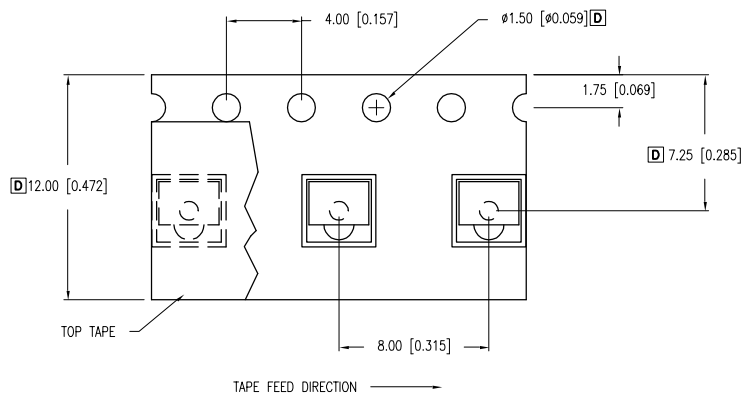
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT (G/Y)	25/30	mA
POWER DISSIPATION (G/Y)	85/80	mW
DERATE FROM 25°C	-1.6	mW/ $^\circ\text{C}$
OPERATING TEMP.	-20 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-30 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$

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

NOTES:

B 1. 500 PIECES PER REEL.

C LEAD FREE REFLOW PROFILE

TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $X=\pm 1$ (± 0.039), $X.X=\pm 0.5$ (± 0.020), $X.XX=\pm 0.25$ (± 0.010), $X.XXX=\pm 0.127$ (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030). MIN= $\frac{+DECIMAL PRECISION}{-0.00}$ MAX= $\frac{+0.00}{-DECIMAL PRECISION}$

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BICOLOR 565nm GREEN/585nm YELLOW LED, $\phi 1.6\text{mm}$ RIGHT ANGLE SURFACE MNT LED, WATER CLEAR LENS, CC.

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

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DATE: 04.06.05	DRAWN BY: JC
PAGE: 1 OF 1	CHKD BY: —
SCALE: N/A	APRVD BY: JD
UNIT: mm [INCH]	(P)

Mouser Electronics

Authorized Distributor

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[SMF-2432GYC-TR](#)