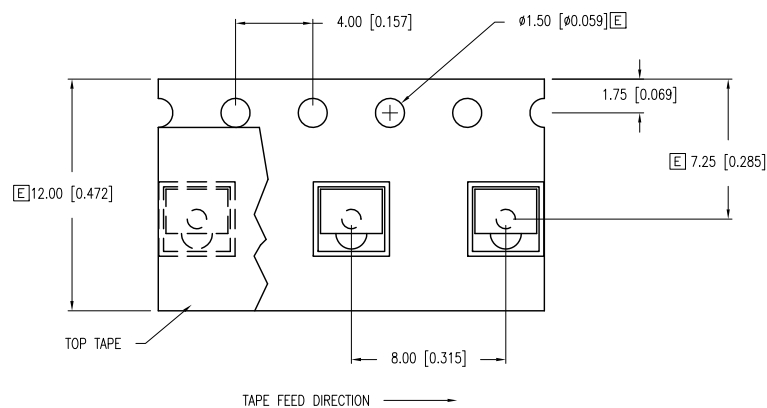
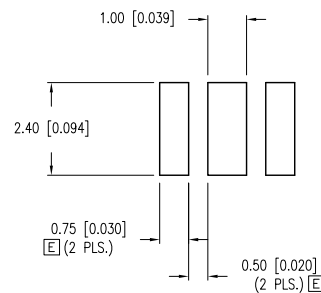


RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER	SMF-2432IGC-TR	REV.	F
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
08.30.01	E.C.N. #10781.		A
01.30.02	E.C.N. #10835.		B
09.23.02	E.C.N. #10912.		C
01.15.07	E.C.N. #11148.		D
12.04.08	E.C.N. #11540.		E
10.21.13	E.C.N. #11882.		F

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
		565 (GREEN)		nm	
FORWARD VOLTAGE (R/G)		2.0/2.2	2.5/2.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (R/G)		8/13		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		160		2θ theta	
EMITTED COLOR:	RED/GREEN				
EPOXY LENS FINISH:	WATER CLEAR LENS				

LIMITS OF SAFE OPERATION AT 25°C

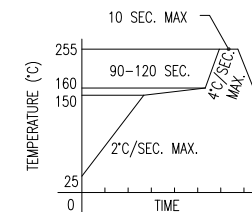
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT (R/G)	30/25	mA
POWER DISSIPATION (R/G)	80/85	mW
DERATE FROM 25°C	-1.6	mW/ $^{\circ}\text{C}$
OPERATING TEMP.	-20 TO +85	$^{\circ}\text{C}$
STORAGE TEMP.	-30 TO +85	$^{\circ}\text{C}$

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

NOTES:

[C] 1. 500 PIECES PER REEL.

[D] LEAD FREE REFLOW PROFILE

TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

*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 UNCONTROLLED DOCUMENT