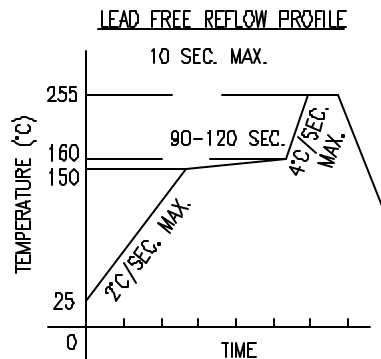
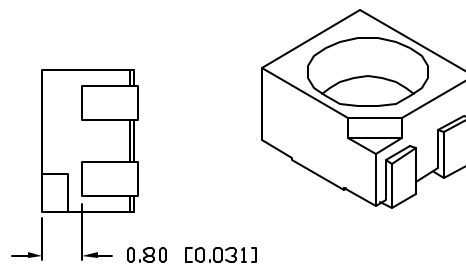
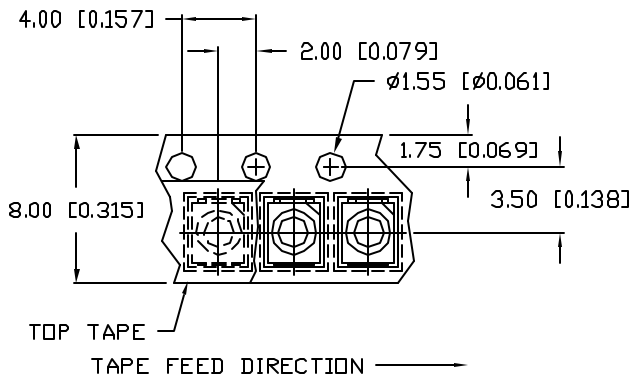
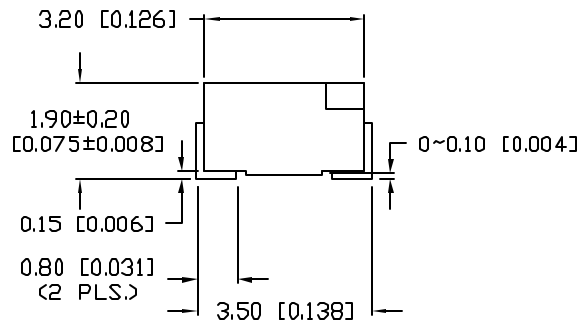
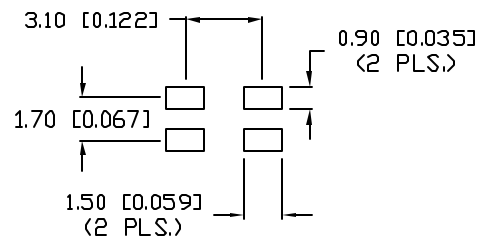
DR
③ ← ④EL
② → ①

TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTICS T _A =25°C I _f =20mA					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		650±6 (RED)		nm	
		940±10 (EL)		nm	
FORWARD VOLTAGE	(R)	2.0	2.4	V _f	
	(EL)	1.2	1.5		
REVERSE VOLTAGE	5.0			V _r	I _r =100μA
AXIAL INTENSITY	(R)	45		mcad	I _f =20mA
RADIANT INTENSITY	(EL)	1.5		mcad	I _f =20mA
SPECTRAL BANDWIDTH	(R)	45		mcad	I _f =20mA
	(EL)	20			
VIEWING ANGLE		30		2x theta	
EMITTED COLOR:	RED/IR				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C PERCHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(R/EL)	50/65	mA
POWER DISSIPATION	(R/EL)	120/100	mW
DERATE FROM 25°C		-1.2	mW/°C
OPERATING STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP		+260	°C
2.0mm FROM BODY			3 SEC MAX

*T<10μs

NOTES:

1. THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 STANDARDS

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), 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 -0.00, MAX.=+0.00 -DECIMAL PRECISION

REV.

PART NUMBER

SML-LX2832DRELC-TR

2.8mm x 3.2mm SURFACE MOUNT WITH REFLECTOR CUP,
DUAL CHIP, 650nm RED, 940 IR,
WATER CLEAR LENS, 2K PER REEL

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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APPROVED BY:

DATE: 03.21.07

PAGE: 1 OF 1

SCALE: N/A