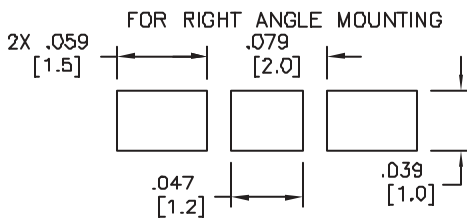
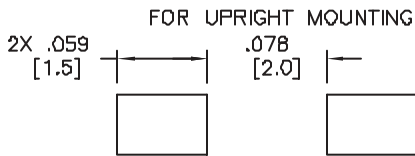
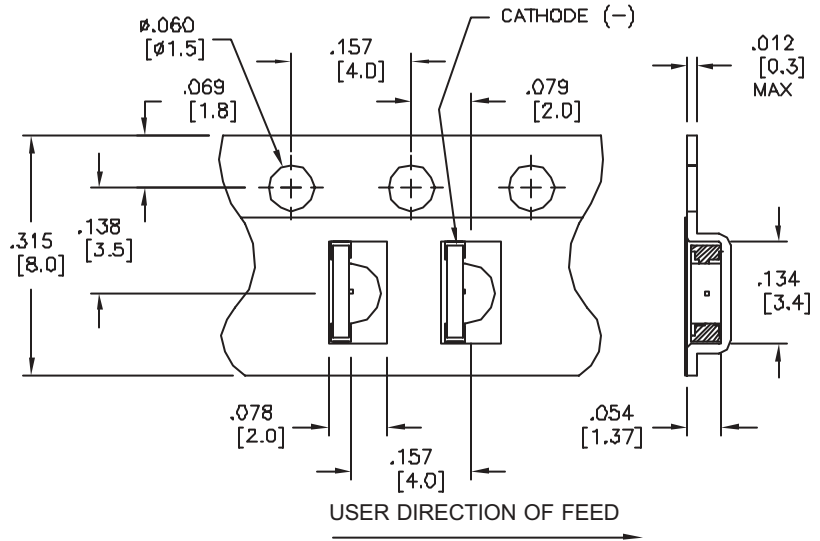
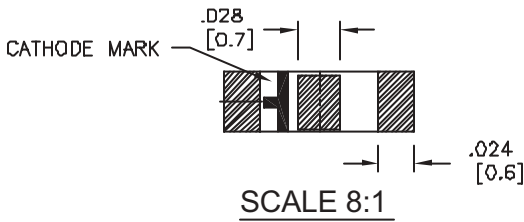
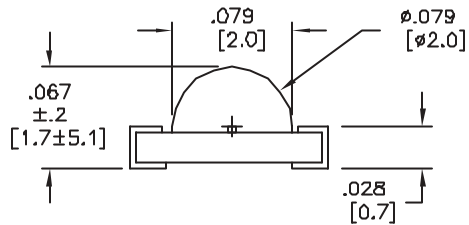
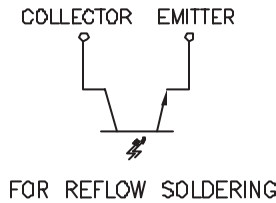
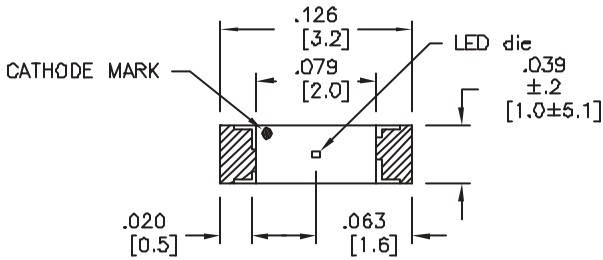
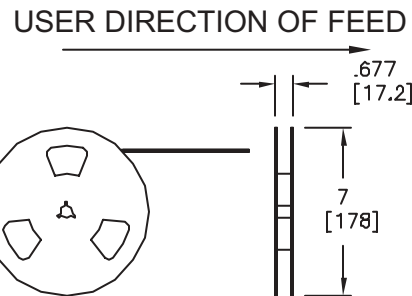


LTR	REVISION	DATE	APPD
-	RELEASED	12-02-04	



SUGGESTED PAD LAYOUT



NOTES:

- 7 INCH REEL - 3000 PIECES PER REEL
- ALL DIMS ARE IN INCHES (MILLIMETERS).
- TOLERANCE IS  $\pm .010''$  ( $\pm 0.25\text{mm}$ ) UNLESS OTHERWISE SPECIFIED.
- SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
- LEADS TO BE SOLDERABLE AND CAPABLE OF MEETING THE SOLDERABILITY REQUIREMENTS OF MIL-STD-202, METHOD 208.
- MANUFACTURE DATE SHALL NOT BE OLDER THAN 26 WEEKS.
- TAPE AND REEL TO BE IN ACCORDANCE WITH STANDARD EIA-481-A

LEDTRONICS PART NO.	L.E.D. APPEARANCE	ABSOLUTE MAXIMUM RATINGS ( $T_a=25^\circ\text{C}$ )				ELECTRO-OPTICAL CHARACTERISTICS ( $T_a=25^\circ\text{C}$ )						
		$P_d$ mW	$BV_{CEO}$ V $V_{CE}=20\text{V}$	$BV_{ECO}$ V	$T_{opr}$ ( $^\circ\text{C}$ )	$\lambda$ nm	$\lambda_p$ nm	COLLECTOR LIGHT CURRENT $I_{C(ON)}$ mA $V_{CE}=5\text{V}, \lambda_p=940\text{nm},$ $H=1.0\text{mW}/\text{cm}^2$	$I_{CEO}$ nA max.	RISE/FALL TIME $V_{CE}=5\text{V}, I_C=1\text{mA}, R_L=1\text{K}\Omega$		VIEW ANGLE $2\theta_{1/2}$
SMR10PT941-TR	WATER CLEAR	75	30	5	$-25^\circ\text{C}\sim 80^\circ\text{C}$	925	940	10.0	100	15	15	105

$T_{stg}$ :  $-30^\circ\text{C}\sim 85^\circ\text{C}$

$T_{sol}$ :  $245^\circ\text{C}\pm 5^\circ\text{C}$  within 5 sec.  $250^\circ\text{C}$  (Max)



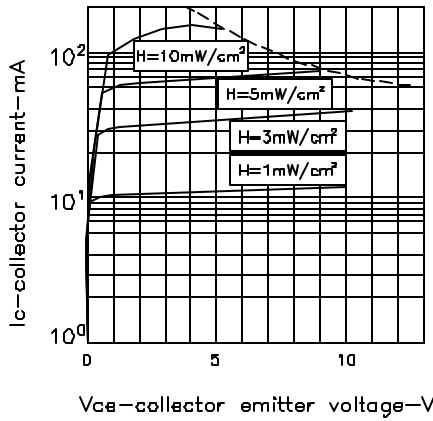
PROPRIETARY-  
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.XX ± .010 TOLERANCE PER ANSI-Y14.5  
.XX ± .025 (UNLESS OTHERWISE STATED)  
ANGLES ± 0°.30°  
FRACT. ± 1/32

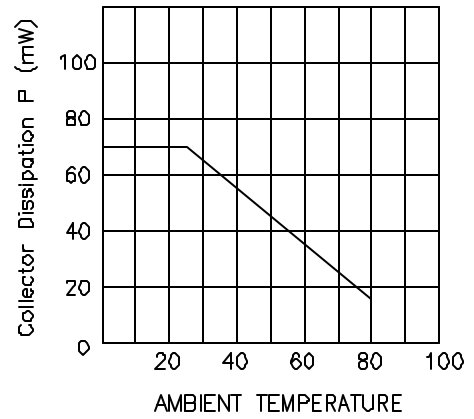
TITLE SMR10PT941-TR			
DWG NO DSTR0124	SCALE 8:1	SHEET 1 OF 2	DATE 12-02-04
CODE IDENT NO. 8Z410	DWG BY RR	CHK BY PL 12-07-04	QA GZ 12-07-04
MFG		CUSTOMER	

LTR	REVISION	DATE	APPD
-	RELEASED	12-06-04	

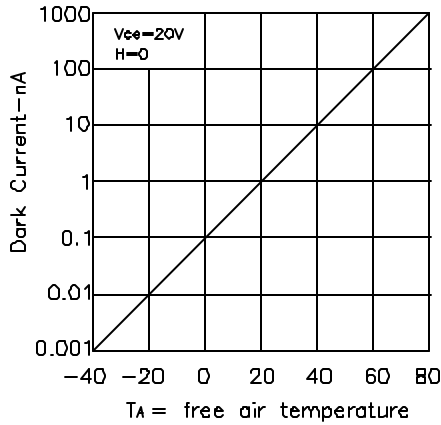
Collector current vs. Collector emitter voltage



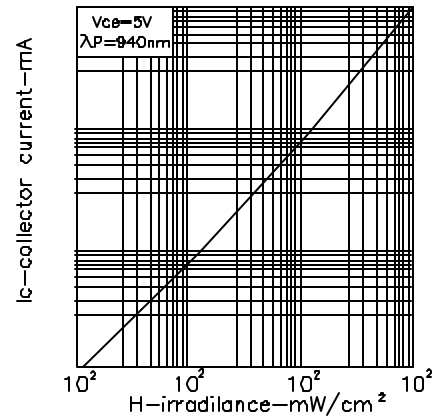
Ambient temperature vs. Collector dissipation



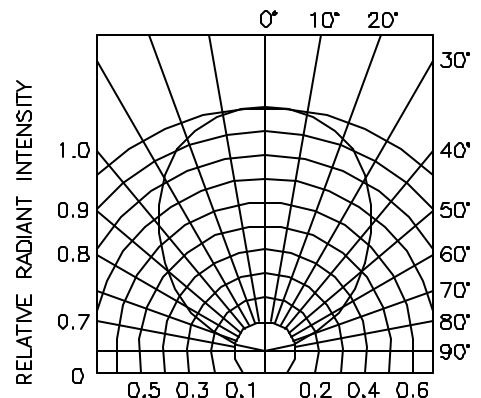
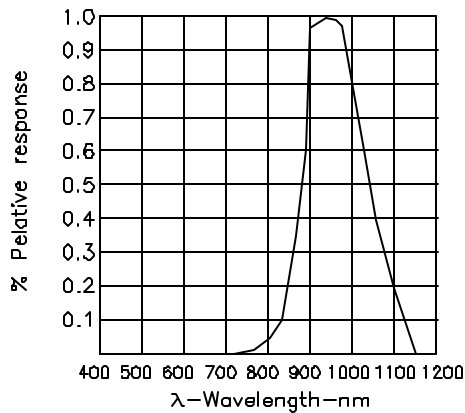
Dark current vs. Free-air temperature



Collector current vs. Irradiance



Relative spectral response



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**LEDTRONICS, INC.**  
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 TORRANCE, CA 90505

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 .XX ± .025 (UNLESS OTHERWISE STATED)  
 ANGLES ± 0°.30°  
 FRACT. ± 1/32

TITLE <b>SMR10PT941-TR (SPECTRAL CURVES)</b>			
DWG NO DSTR0124-A	SCALE 2:1	SHEET 2 OF 2	DATE 12-06-04
CODE IDENT NO. 8Z410	DWG BY RR	CHK BY PL 12-07-04	QA GZ 12-07-04
MFG			CUSTOMER