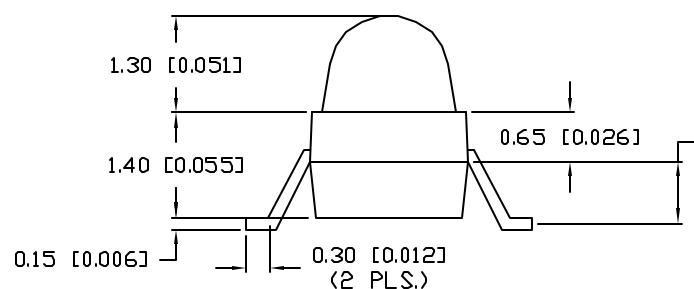
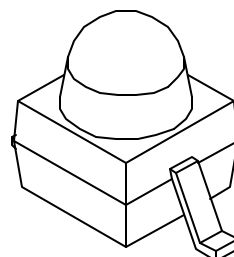
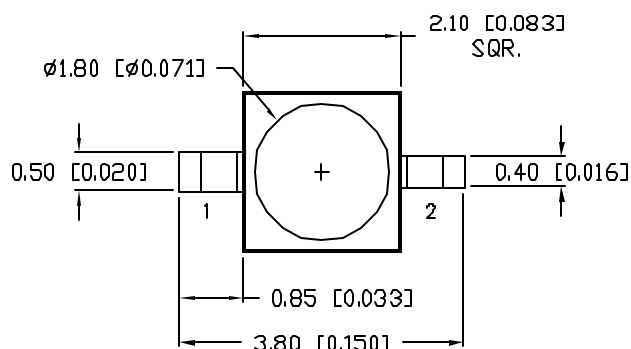
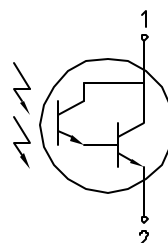


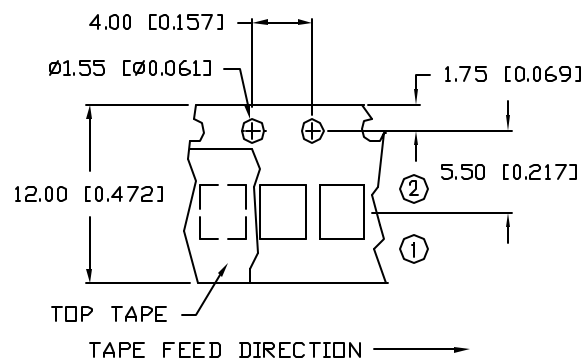
UNCONTROLLED DOCUMENT



$$\begin{matrix} 0.83^{+0.13} \\ 0.00 \\ 0.033^{+0.005} \\ 0.000 \end{matrix}$$


NOTES:

1. COLLECTOR.
2. EMITTER.



PART NUMBER			REV.
OED-PTA2127-TR11			A
REV.	E.C.N. NUMBER AND REVISION COMMENTS		DATE
A	#10722.		3.8.01

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
COLLECTOR-EMITTER BREAKDOWN VOLTAGE	15			V	$I_c=100\mu\text{A}$ $E_e=0\text{mW}/\text{cm}^2$
EMITTER-COLLECTOR BREAKDOWN VOLTAGE	5			V	$I_c=10\mu\text{A}$ $E_e=0\text{mW}/\text{cm}^2$
COLLECTOR-EMITTER SATURATION VOLTAGE			1	V	$I_c=15\text{mA}$ $E_e=1\text{mW}/\text{cm}^2$
RISE TIME		40		μS	$V_{cc}=5\text{V}$, $I_c=10\text{mA}$
FALL TIME		60		μS	$R_L=100\Omega$
COLLECTOR DARK CURRENT			1000	nA	$E_e=0\text{mW}/\text{cm}^2$ $V_E=10\text{V}$
ON STATE COLLECTOR CURRENT @ $V_{cc}=5\text{V}$		0.15		mA	$E_e=0.01\text{mW}/\text{cm}^2$
WAVELENGTH OF PEAK SENSITIVITY		860		nm	$E_e=1\text{mW}/\text{cm}^2$
RANGE OF SPECTRAL BANDWIDTH		400~1200		nm	

EPOXY LENS FINISH: WATER CLEAR

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
COLLECTOR-EMITTER VOLTAGE	15	V
EMITTER-COLLECTOR VOLTAGE	5	V
COLLECTOR CURRENT	20	mA
OPERATING TEMPERATURE	-25 TO +85	$^\circ\text{C}$
STORAGE TEMPERATURE	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY	3 SEC. MAX	

*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.

A

PART NUMBER

OED-PTA2127-TR11

1.9mm ROUND PHOTODARLINGTON TRANSISTOR,
AXIAL GULL WING LEAD, TAPE AND REEL.

CONFIDENTIAL INFORMATION

THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

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.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE: 1.18.01

TM/BC

PAGE: 1 OF 1

SCALE: N/A

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Lumex:

[OED-PTA2127-TR11](#)