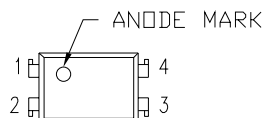
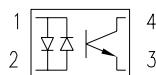


UNCONTROLLED DOCUMENT



TOP VIEW



NOTES:

1. ANODE/CATHODE
2. CATHODE/ANODE
3. EMITTER
4. COLLECTOR

PART NUMBER
OCP-PCT124/X

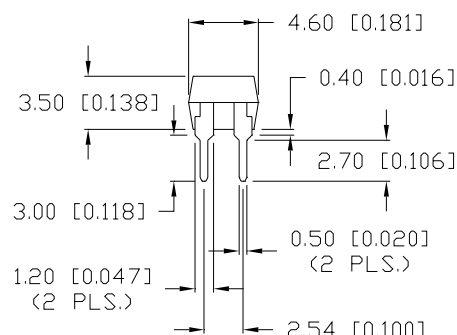
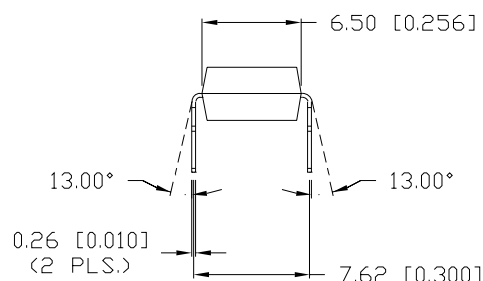
REV.

REV. E.C.N. NUMBER AND REVISION COMMENTS

DATE

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

PART NUMBER TABLE	
PART= /X	CTR (%)
/A	60 TO 600
/B	60 TO 300



ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNITS
I FORWARD VOLTAGE	V _F	I _F =±20mA	—	1.2	1.4	V
PEAK FORWARD VOLTAGE	V _{FM}	I _{FM} =±0.5A	—	—	3.5	V
TERMINAL CAPACITANCE	C _t	V=0, f=1kHz	—	30	—	pF
O COLLECTOR DARK CURRENT	I _{CEO}	V _{CE} =20V, I _F =0	—	—	10 ⁻⁷	A
T CURRENT TRANSFER RATIO	CRT	I _F =±1mA, V _{CE} =5V	60	—	600	%
COLLECTOR-EMITTER SATURATION VOLTAGE	V _{CE(sat)}	I _F =±20mA, I _C =1mA	—	0.1	0.3	V
ISOLATION RESISTANCE	R _{iso}	DC500V	5x10 ¹⁰	10 ¹¹	—	ohm
FLOATING CAPACITANCE	C _f	V=0, f=1MHz	—	0.6	1.0	pF
CUT-OFF FREQUENCY	f _c	V _{CE} =5V, I _C =2mA, R _L =100ohm	—	80	—	kHz
RESPONSE TIME (RISE)	t _r	V _{CE} =2V, I _C =2mA, R _L =100ohm	—	5	20	μS
RESPONSE TIME (FALL)	t _f	V _{CE} =2V, I _C =2mA, R _L =100ohm	—	4	20	μS

I=INPUT, O=OUTPUT, T=TRANSFER CHARACTERISTICS.

ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

PARAMETER	SYMBOL	MAX	UNITS
I FORWARD CURRENT	I _F	±50	mA
PEAK FORWARD CURRENT	I _{FM}	±1	A
POWER DISSIPATION	P _d	70	mW
O COLLECTOR-EMITTER VOLTAGE	V _{CEO}	60	V
EMITTER-COLLECTOR VOLTAGE	V _{ECO}	6	V
COLLECTOR CURRENT	I _C	50	mA
COLLECTOR POWER DISSIPATION	P _C	150	mW
TOTAL POWER DISSIPATION	P _{tot}	200	mW
ISOLATION VOLTAGE 1 MIN.	V _{iso}	5000	V _{RMS}
OPERATING TEMP.	T _{opr}	-30 TO +100	°C
STORAGE TEMP.	T _{stg}	-55 TO +125	°C
SOLDERING TEMP.	T _{sol}	+260	°C
2.0mm FROM BODY		10 SEC. MAX	

I=INPUT, O=OUTPUT.

UNCONTROLLED DOCUMENT

*UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±0.25mm (±0.010")

REV.

PART NUMBER

OCP-PCT124/X

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.

LUMEX
INCORPORATED

290 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
PHONE: 1-847-359-2790
WEB: HTTP://WWW.LUMEX.COM

4 PIN DIP SINGLE CHANNEL PHOTOCOUPLER, BIPOLAR INPUT,
TRANSISTOR OUTPUT WITHOUT EXTERNAL BASE CONNECTION.

DRAWN BY: CHECKED BY: APPROVED BY: DATE: 9-29-99

CK/DU

PAGE: 1 OF 1

SCALE: N/A