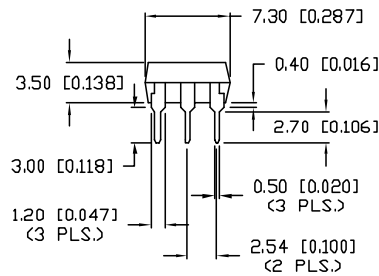
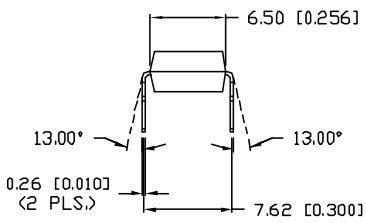
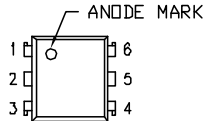
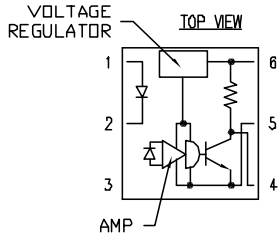


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PART NUMBER		REV.
OCP-PCP116		C
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & #10776.	8.16.01
B	E.C.N. #11148.	5.15.07
C	E.C.N. #11462.	12.14.07



- NOTES:
1. ANODE
 2. CATHODE
 3. NO CONNECT
 4. COLLECTOR
 5. EMITTER
 6. VOLTAGE REGULATOR, V_{CC}
- 7. RESISTOR IS 15K OHMS.

PARAMETER	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNITS
FORWARD VOLTAGE	V _F	I _F =20mA	-	1.2	1.4	V
PEAK FORWARD VOLTAGE	V _{FM}	I _{FM} =0.5A	-	-	3.5	V
REVERSE CURRENT	I _R	V _R =4V	-	-	10	μA
TERMINAL CAPACITANCE	C _t	V=0, f=1kHz	-	30	-	pF
OPERATING SUPPLY VOLTAGE	V _{CC}		4.5	-	17	V
LOW LEVEL OUTPUT VOLTAGE	V _{OL}	I _{OL} =16mA, V _{CC} =5V, I _F =0	-	0.15	0.4	V
HIGH LEVEL OUTPUT VOLTAGE	V _{OH}	V _{CC} =5V, I _F =1mA	3.5	-	-	V
LOW LEVEL SUPPLY CURRENT	I _{CC(L)}	V _{CC} =5V, I _F =0	-	1.7	3.8	mA
HIGH LEVEL SUPPLY CURRENT	I _{CC(H)}	V _{CC} =5V, I _F =1mA	-	0.7	2.2	mA
'HIGH->LOW' THRESHOLD INPUT CURRENT	I _{FHL}	V _{CC} =5V, R _L =280 ohms	0.1	0.4	-	mA
'LOW->HIGH' THRESHOLD INPUT CURRENT	I _{FLH}	V _{CC} =5V, R _L =280 ohms	-	0.5	1.0	mA
HYSTERESIS	I _{FHL} / I _{FLH}	V _{CC} =5V, R _L =280 ohms	-	0.7	-	-
ISOLATION RESISTANCE	R _{ISO}	DC5000V	5x10 ¹⁰	10 ¹¹	-	ohm
'HIGH->LOW' PROPAGATION DELAY TIME	t _{PHL}	V _{CC} =5V, I _F =1mA, R _L =280 ohm	-	5	15	μS
'LOW->HIGH' PROPAGATION DELAY TIME	t _{PLH}	V _{CC} =5V, I _F =1mA, R _L =280 ohm	-	3	9	μS
FALL TIME	t _f	V _{CC} =5V, I _F =1mA, R _L =280 ohm	-	0.05	0.5	μS
RISE TIME	t _r	V _{CC} =5V, I _F =1mA, R _L =280 ohm	-	0.1	0.5	μS

PARAMETER	SYMBOL	MAX	UNITS
FORWARD CURRENT	I _F	50	mA
PEAK FORWARD CURRENT	I _{FM}	1	A
REVERSE VOLTAGE	V _R	6	V
POWER DISSIPATION	P _D	70	mW
SUPPLY VOLTAGE	V _{CC}	-0.5 TO 17	V
OUTPUT CURRENT	I _O	50	mA
POWER DISSIPATION	P _O	150	mW
TOTAL POWER DISSIPATION	P _{TOT}	170	mW
ISOLATION VOLTAGE 1 MIN.	V _{ISO}	5000	V _{RMS}
OPERATING TEMP.	T _{opr}	-25 TO +85	°C
STORAGE TEMP.	T _{stg}	-40 TO +125	°C
SOLDERING TEMP.	T _{sol}	+260	°C
2.0mm FROM BODY		10 SEC. MAX	

I=INPUT, O=OUTPUT.

I=INPUT, O=OUTPUT, T=TRANSFER CHARACTERISTICS, R=RESPONSE TIME.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: Y=±1 (±0.039), X=±0.5 (±0.020), XX=±0.25 (±0.010), 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

REV. C	PART NUMBER OCP-PCP116	<p>CONFIDENTIAL INFORMATION</p> <p>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.</p> <p>RELIABILITY NOTE</p> <p>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.</p>	<p>290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw</p>	<p>DRAWN BY: JC</p> <p>CHECKED BY:</p> <p>APPROVED BY:</p> <p>DATE: 9.29.99 PAGE: 1 OF 1 SCALE: N/A</p>
SIX PIN DIP SINGLE CHANNEL PHOTO IC PHOTOCOUPLER.				

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