



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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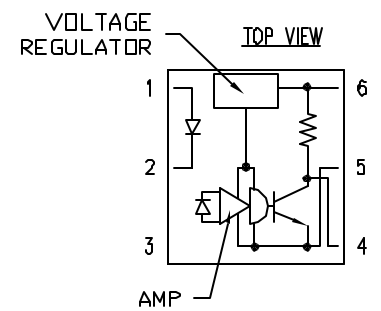
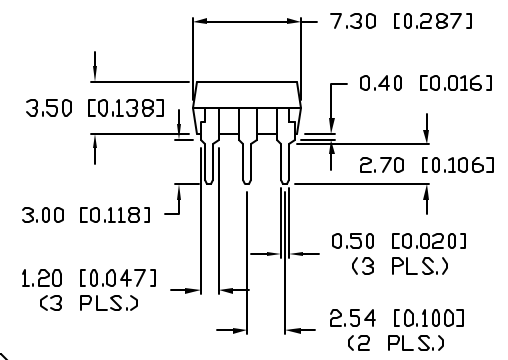
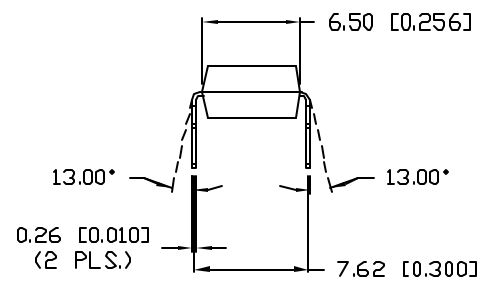
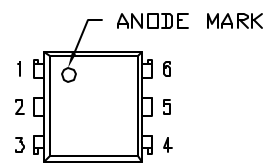
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UNCONTROLLED DOCUMENT

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



- NOTES:
1. ANODE
 2. CATHODE
 3. NO CONNECT
 4. COLLECTOR
 5. EMITTER
 6. VOLTAGE REGULATOR

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
	REVERSE CURRENT	I _R V _R =4V	-	-	10	µA
	TERMINAL CAPACITANCE	C _t V=0, f=1kHz	-	30	-	pF
O	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 _{CCL} V _{CC} =5V, I _F =0	-	1.7	3.8	mA
	HIGH LEVEL SUPPLY CURRENT	I _{CCH} V _{CC} =5V, I _F =1mA	-	0.7	2.2	mA
T	'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 _{FHH} V _{CC} =5V, R _L =280 ohms	-	0.5	1.0	mA
	HYSTERESIS	I _{FHL} /I _{FHH} V _{CC} =5V, R _L =280 ohms	-	0.7	-	-
	ISOLATION RESISTANCE	R _{ISO} DC5000V	5x10 ¹⁰	10 ¹¹	-	ohm
R	'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

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

*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

ABSOLUTE MAXIMUM RATINGS (Ta=25°C)				
PARAMETER	SYMBOL	MAX	UNITS	
I	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
O	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.

UNCONTROLLED DOCUMENT

REV.	PART NUMBER	CONFIDENTIAL INFORMATION	290 E. HELEN ROAD	
A	OCP-PCP116	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.	PALATINE, IL 60067-6976	
SIX PIN DIP SINGLE CHANNEL PHOTO IC PHOTOCOUPLER.		RELIABILITY NOTE	PHONE: +1.847.359.2790	
		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.	US WEB: www.lumex.com	
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