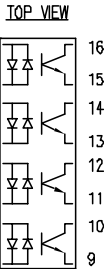
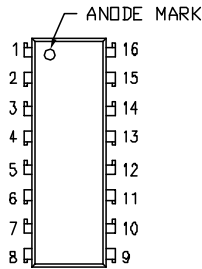
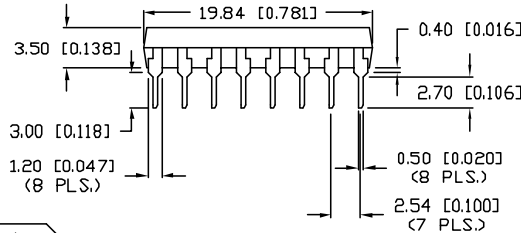
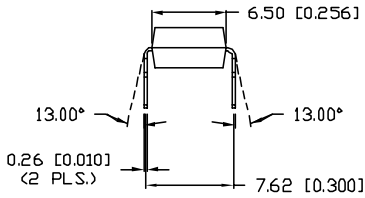


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PART NUMBER		REV.
OCP-PCT4216/A		B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & #10776.	8.16.01
B	E.C.N. #11148.	5.16.07



NOTES:
 1,3,5,7. ANODE/CATHODE
 2,4,6,8. CATHODE/ANODE
 9,11,13,15. EMITTER
 10,12,14,16. COLLECTOR



ABSOLUTE MAXIMUM RATINGS (Ta=25°C)			
PARAMETER	SYMBOL	MAX	UNITS
I	FORWARD CURRENT	If	±50 mA
	PEAK FORWARD CURRENT	Ifm	±1 A
	POWER DISSIPATION	Pd	70 mW
O	COLLECTOR-EMITTER VOLTAGE	Vceo	60 V
	EMITTER-COLLECTOR VOLTAGE	Veco	6 V
	COLLECTOR CURRENT	Ic	50 mA
	COLLECTOR POWER DISSIPATION	Pc	150 mW
	TOTAL POWER DISSIPATION	Ptot	200 mW
	ISOLATION VOLTAGE 1 MIN.	Viso	5000 VRMS
	OPERATING TEMP.	Topr	-30 TO +100 °C
	STORAGE TEMP.	Tstg	-55 TO +125 °C
	SOLDERING TEMP.	Tsd	+260 °C
	2.0mm FROM BODY		10 SEC. MAX

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)						
PARAMETER	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNITS
I	FORWARD VOLTAGE	Vf If=±20mA	-	1.2	1.4	V
	PEAK FORWARD VOLTAGE	Vfm Ifm=±0.5A	-	-	3.5	V
	TERMINAL CAPACITANCE	Ct V=0, f=1kHz	-	30	-	pF
O	COLLECTOR DARK CURRENT	Icdo Vce=20V, If=0	-	-	10 ⁻⁷	A
T	CURRENT TRANSFER RATIO	CRT If=±1mA, Vce=5V	60	-	600	%
	COLLECTOR-EMITTER SATURATION VOLTAGE	Vce(sat) If=±20mA, Ic=1mA	-	0.1	0.3	V
	ISOLATION RESISTANCE	Riso DC500V	5x10 ¹⁰	10 ¹¹	-	ohm
	FLOATING CAPACITANCE	Cf V=0, f=1MHz	-	0.6	1.0	pF
	CUT-OFF FREQUENCY	fc Vce=5V, Ic=2mA, Rl=100ohm	-	80	-	kHz
	RESPONSE TIME (RISE)	tr Vce=2V, Ic=2mA, Rl=100ohm	-	5	20	µS
	RESPONSE TIME (FALL)	tf Vce=2V, Ic=2mA, Rl=100ohm	-	4	20	µS

I=INPUT, O=OUTPUT.

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

*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. B	PART NUMBER OCP-PCT4216/A	<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>		
SIXTEEN PIN DIP QUAD CHANNEL PHOTOCOUPLER, BIPOLAR INPUT, TRANSISTOR OUTPUT, WITHOUT EXTERNAL BASE CONNECTION.		DRAWN BY: JC	CHECKED BY:	APPROVED BY:	DATE: 9.29.99 PAGE: 1 OF 1 SCALE: N/A

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