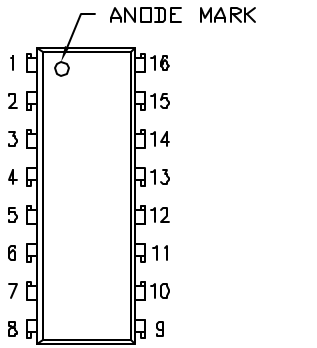
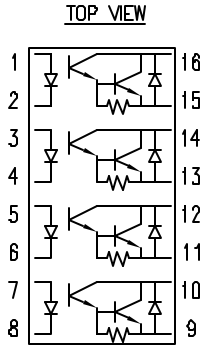
UNCONTROLLED DOCUMENT

PART NUMBER	REV.
OCP-PCD4116/E	A

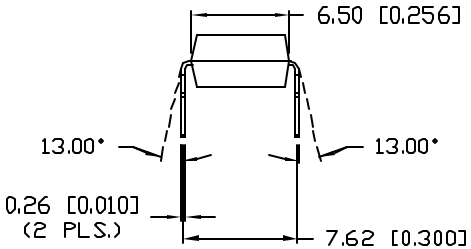
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & #10776.	8.16.01

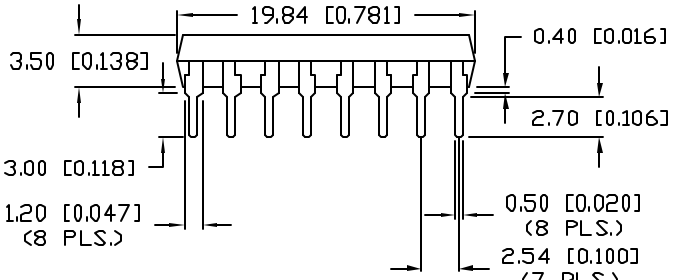




NOTES:

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





ELECTRO-OPTICAL CHARACTERISTICS (T_a=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	COLLECTOR DARK CURRENT	I_{CEO}	V_{CE}=200V, I_F=0	–	–	10^{-6}	A
T	CURRENT TRANSFER RATIO	CRT	I_F=1mA, V_{CE}=2V	600	–	9000	%
	COLLECTOR-EMITTER SATURATION VOLTAGE	$V_{CE(sat)}$	I_F=20mA, I_C=5mA	–	–	1.5	V
	ISOLATION RESISTANCE	R_{ISO}	DC500V	$5x10^{10}$	–	–	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	–	7	–	kHz
	RESPONSE TIME (RISE)	t_r	V_{CE}=2V, I_C=20mA, R_L=100ohm	–	60	300	μS
	RESPONSE TIME (FALL)	t_f	V_{CE}=2V, I_C=20mA, R_L=100ohm	–	50	250	μS

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

ABSOLUTE MAXIMUM RATINGS (T_a=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	COLLECTOR-EMITTER VOLTAGE	V_{CEO}	300	V
	EMITTER-COLLECTOR VOLTAGE	V_{ECO}	0.1	V
	COLLECTOR CURRENT	I_C	150	mA
	COLLECTOR POWER DISSIPATION	P_C	200	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.

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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= $^{+\text{DECIMAL PRECISION}}_{-0.00}$ MAX.= $^{+0.00}_{-\text{DECIMAL PRECISION}}$

REV.	PART NUMBER
A	OCP-PCD4116/E

SIXTEEN DIP QUAD CHANNEL PHOTOCOUPLER,
PHOTODARLINGTON OUTPUT, NO EXTERNAL BASE CONNECTION.

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

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			SCALE: N/A