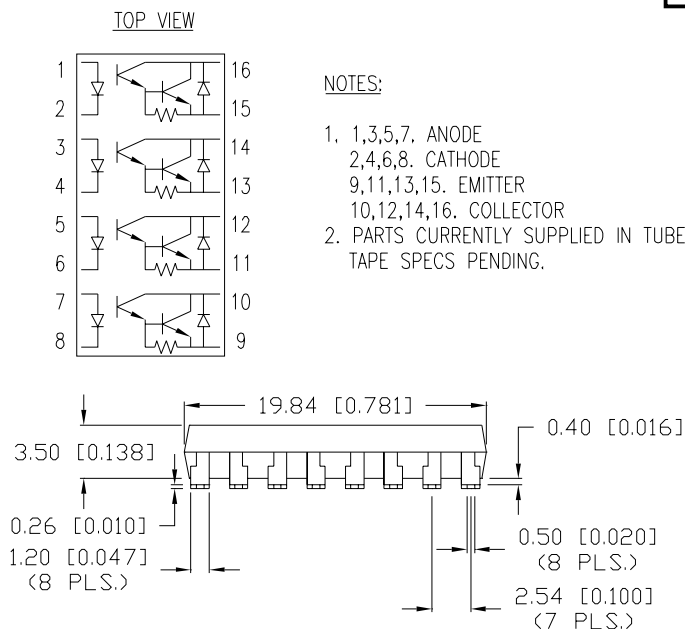
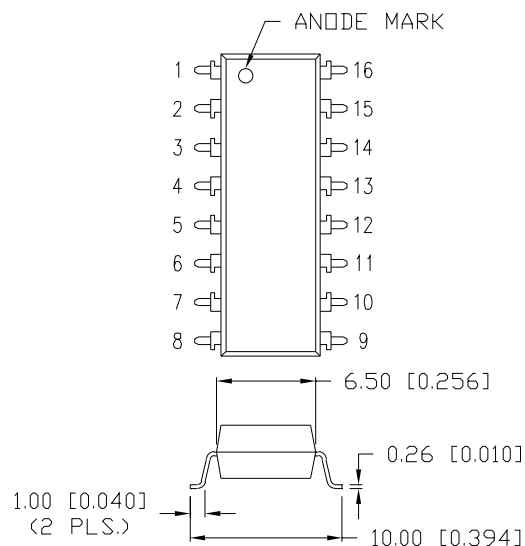


UNCONTROLLED DOCUMENT

PART NUMBER		REV.
OCP-PCD4116/X-TR		
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE



NOTES:

- 1, 3, 5, 7, ANODE
2, 4, 6, 8, CATHODE
9, 11, 13, 15, EMITTER
10, 12, 14, 16, COLLECTOR
2. PARTS CURRENTLY SUPPLIED IN TUBES.
TAPE SPECS PENDING.

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

PART NUMBER TABLE	
PART=	CTR (%)
/X	
/A	600 TO 2000
/B	1500 TO 4000
/C	3000 TO 6000
/D	5000 TO 9000
/E	600 TO 9000

UNCONTROLLED DOCUMENT

*UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010''$)

REV.	PART NUMBER	CONFIDENTIAL INFORMATION		LUMEX INCORPORATED		290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 PHONE: 1-847-359-2790 WEB: HTTP://WWW.LUMEX.COM	
	OCP-PCD4116/X-TR	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.		DRAWN BY: TM/BC		CHECKED BY:	
SIXTEEN PIN SURFACE MOUNT QUAD CHANNEL PHOTOCOUPLER, PHOTODARLINGTON OUTPUT, NO EXTERNAL BASE CONNECTION.		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.		APPROVED BY:		DATE: 8-12-99	
						PAGE: 1 OF 2	
						SCALE: N/A	

UNCONTROLLED DOCUMENT

PART NUMBER		REV.
OCP-PCD4116/X-TR		
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE

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	COLLECTOR DARK CURRENT	I _{CE0}	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 (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	COLLECTOR-EMITTER VOLTAGE	V _{CE0}	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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