

UNCONTROLLED DOCUMENT

PART NUMBER		REV.
OCP-PCT4216/X-TR		
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE

ELECTRO-OPTICAL CHARACTERISTICS (T ₀ =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
	TERMINAL CAPACITANCE	C _t	V=0, f=1kHz	-	30	-	pF
O	COLLECTOR DARK CURRENT	I _{CE0}	V _{CE} =20V, I _F =0	-	-	10 ⁻⁷	A
T	CURRENT TRANSFER RATIO	CRT	I _F =±1mA, V _{CE} =5V	60	-	600	%
	COLLECTOR-EMITTER SATURATION VOLTAGE	V _{CE(sat)}	I _F =±20mA, I _C =1mA	-	0.1	0.3	V
	ISOLATION RESISTANCE	R _{ISO}	DC500V	5x10 ¹⁰	10 ¹¹	-	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	-	80	-	kHz
	RESPONSE TIME (RISE)	t _r	V _{CE} =2V, I _C =2mA, R _L =100ohm	-	5	20	μS
	RESPONSE TIME (FALL)	t _f	V _{CE} =2V, I _C =2mA, R _L =100ohm	-	4	20	μS

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

ABSOLUTE MAXIMUM RATINGS (T ₀ =25°C)				
	PARAMETER	SYMBOL	MAX	UNITS
I	FORWARD CURRENT	I _F	±50	mA
	PEAK FORWARD CURRENT	I _{FM}	±1	A
	POWER DISSIPATION	P _D	70	mW
O	COLLECTOR-EMITTER VOLTAGE	V _{CE0}	60	V
	EMITTER-COLLECTOR VOLTAGE	V _{ECO}	6	V
	COLLECTOR CURRENT	I _C	50	mA
	COLLECTOR POWER DISSIPATION	P _C	150	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 TOLERANCE IS ±0.25mm (±0.010")

REV.	PART NUMBER	CONFIDENTIAL INFORMATION		290 E. HELLEN ROAD	
	OCP-PCT4216/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.		PALATINE, ILLINOIS 60067	
SIXTEEN PIN SURFACE MOUNT QUAD CHANNEL PHOTOCOUPLER, BIPOLAR INPUT, TRANSISTOR OUTPUT, WITHOUT EXTERNAL BASE CONNECTION.		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.		WEB: HTTP://WWW.LUMEX.COM	
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					PAGE: 2 OF 2
		TM/BC			SCALE: N/A

