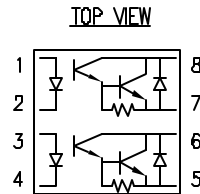
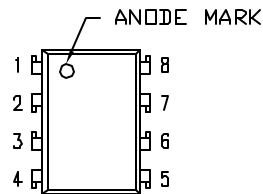


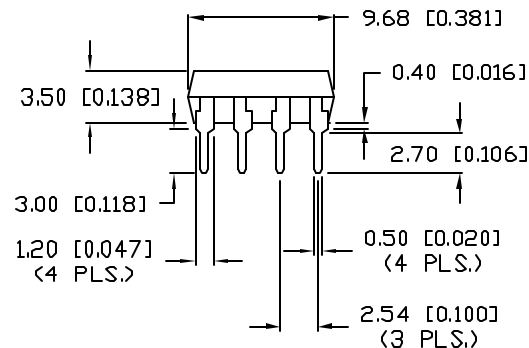
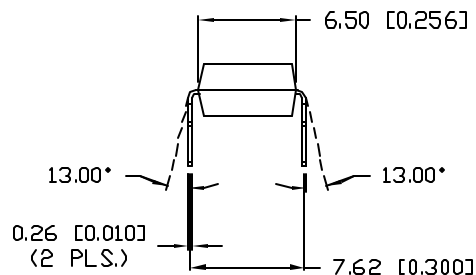
UNCONTROLLED DOCUMENT

PART NUMBER
OCP-PCD218/EREV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & #10776.	8.16.01
B	E.C.N. #11148.	5.15.07



NOTES:
1,3. ANODE
2,4. CATHODE
5,7. EMITTER
6,8. COLLECTOR



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 _{CEO}	V _{CE} =200V, I _F =0	-	-	10 ⁻⁸	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.

*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.=^{+0.00}_{-0.00} DECIMAL PRECISION MAX.=^{+0.00}_{-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	5	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.

UNCONTROLLED DOCUMENT

REV.
BPART NUMBER
OCP-PCD218/EEIGHT PIN DIP DUAL CHANNEL PHOTOCOUPLER,
PHOTODARLINGTON OUTPUT, NO EXTERNAL BASE CONNECTION.

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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.



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