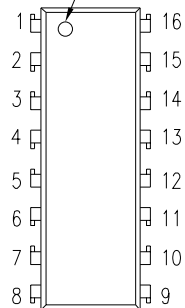
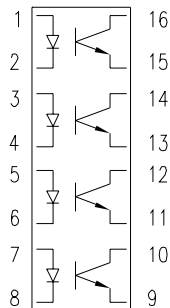


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ANODE MARK



TOP VIEW



NOTES:

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

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

PART NUMBER TABLE

PART=	/X	CTR (%)
/A		60 TO 160
/B		130 TO 260
/C		200 TO 400
/D		300 TO 600
/E		60 TO 600

ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

PARAMETER	SYMBOL	MAX	UNITS
I	FORWARD CURRENT	If	50 mA
	PEAK FORWARD CURRENT	Ifm	1 A
	REVERSE VOLTAGE	Vr	6 V
	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 TEMPERATURE	Topr	- 30 TO + 100 °C
	STORAGE TEMPERATURE	Tstg	- 55 TO + 125 °C
	SOLDERING TEMPERATURE	Tsol	+ 260 °C
	2.0mm FROM BODY		10 SEC. MAX

I=INPUT, O=OUTPUT.

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
	REVERSE CURRENT	Ir Vr=4V	-	-	10	μA
	TERMINAL CAPACITANCE	Ct V=0, f=1kHz	-	30	-	pF
O	COLLECTOR DARK CURRENT	IcEO Vce=20V	-	-	10 ⁻⁷	A
T	CURRENT TRANSFER RATIO	CRT If=2mA, 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=5V, Ic=2mA, RL=100ohm	-	5	20	μS
	RESPONSE TIME (FALL)	tf Vce=5V, Ic=2mA, RL=100ohm	-	4	20	μS

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

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*UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±0.25mm (±0.010")

REV.

PART NUMBER

OCP-PCT4116/X

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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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PAGE: 1 OF 1

SCALE: N/A

CK/DU

SIXTEEN PIN DIP QUAD CHANNEL PHOTOCOUPLER,

TRANSISTOR OUTPUT WITHOUT EXTERNAL BASE CONNECTION.