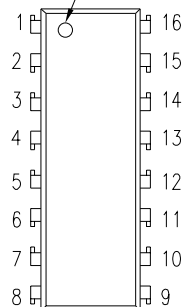
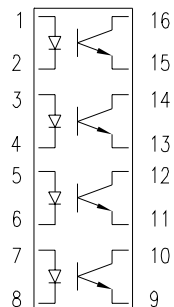


UNCONTROLLED DOCUMENT

ANODE MARK

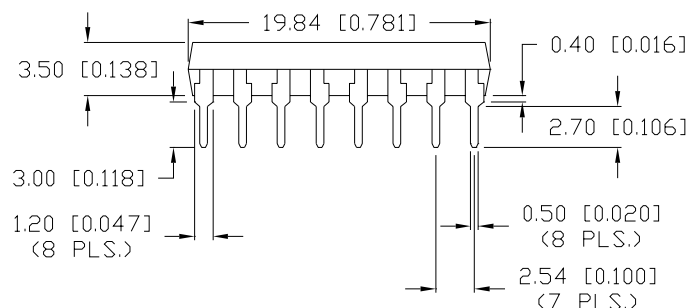
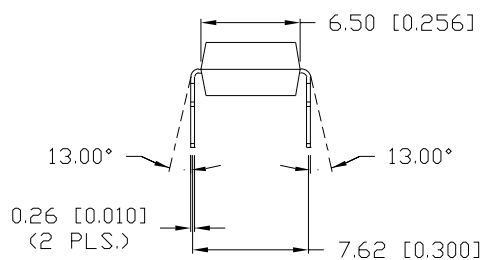


TOP VIEW



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	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}	60	V
EMITTER-COLLECTOR VOLTAGE	V _{EC0}	6	V
COLLECTOR CURRENT	I _C	50	mA
COLLECTOR POWER DISSIPATION	P _C	150	mW
T TOTAL POWER DISSIPATION	P _{tot}	200	mW
ISOLATION VOLTAGE 1 MIN.	V _{ISO}	5000	V _{RMS}
OPERATING TEMPERATURE	T _{opr}	-30 TO +100	°C
STORAGE TEMPERATURE	T _{stg}	-55 TO +125	°C
SOLDERING TEMPERATURE	T _{sol}	+260	°C
2.0mm FROM BODY			10 SEC. MAX

I=INPUT, O=OUTPUT.

ELECTRO-OPTICAL CHARACTERISTICS (To=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} =20V	-	-	10 ⁻⁷	A
T CURRENT TRANSFER RATIO	CRT	I _F =2mA, 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} =5V, I _C =2mA, R _L =100ohm	-	5	20	μS
RESPONSE TIME (FALL)	t _f	V _{CE} =5V, I _C =2mA, R _L =100ohm	-	4	20	μS

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

UNCONTROLLED DOCUMENT

*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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SIXTEEN PIN DIP QUAD CHANNEL PHOTOCOUPLER,
TRANSISTOR OUTPUT WITHOUT EXTERNAL BASE CONNECTION.

DRAWN BY: CK/DU CHECKED BY: APPROVED BY: DATE: 9-29-99

PAGE: 1 OF 1

SCALE: N/A