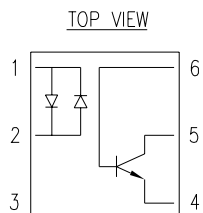
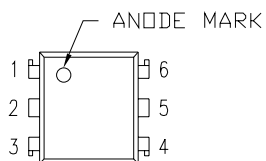


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NOTES:

1. ANODE/CATHODE
2. CATHODE/ANODE
3. NO CONNECT
4. EMITTER
5. COLLECTOR
6. BASE

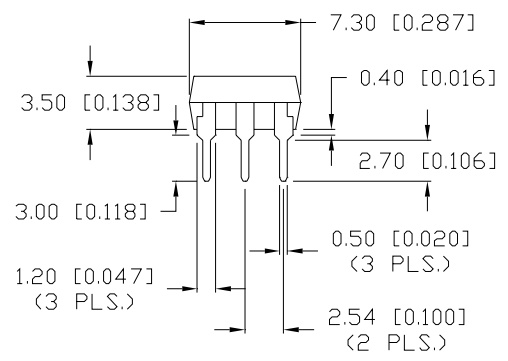
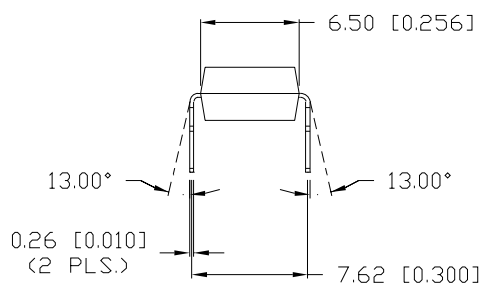
PART NUMBER
OCP-PCTB126/X

REV.

REV. E.C.N. NUMBER AND REVISION COMMENTS DATE

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 600
/B	60 TO 300



ABSOLUTE MAXIMUM RATINGS (T _a =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 _{EC0}	6 V
	COLLECTOR-BASE VOLTAGE	V _{CB0}	60 V
	EMITTER-BASE VOLTAGE	V _{EB0}	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

ELECTRO-OPTICAL CHARACTERISTICS (T_o=25°C)

PARAMETER	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNITS
I	FORWARD VOLTAGE	V _F		1.2	1.4	V
	PEAK FORWARD VOLTAGE	V _{FM}			3.5	V
	TERMINAL CAPACITANCE	C _t		30		pF
O	COLLECTOR DARK CURRENT	I _{CE0}			10 ⁻⁷	A
T	CURRENT TRANSFER RATIO	CRT		60	600	%
	COLLECTOR-EMITTER SATURATION VOLTAGE	V _{CE(sat)}		0.1	0.3	V
	ISOLATION RESISTANCE	R _{iso}	5x10 ¹⁰	10 ¹¹		ohm
	FLOATING CAPACITANCE	C _f		0.6	1.0	pF
	CUT-OFF FREQUENCY	f _c		80		kHz
	RESPONSE TIME (RISE)	t _r		5	20	μS
	RESPONSE TIME (FALL)	t _f		4	20	μS

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

I=INPUT, O=OUTPUT.

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

REV. PART NUMBER
OCP-PCTB126/X

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SIX PIN DIP SINGLE CHANNEL PHOTOCOUPLER, BIPOLAR INPUT,
TRANSISTOR OUTPUT WITH 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.

DRAWN BY: CK/DU CHECKED BY: APPROVED BY: DATE: 9-29-99
PAGE: 1 OF 1
SCALE: N/A