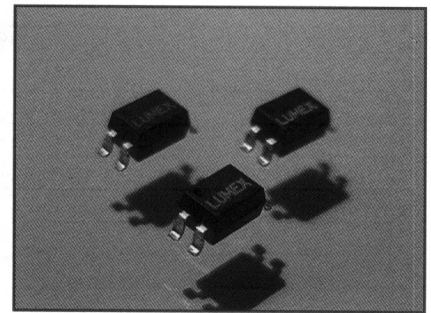
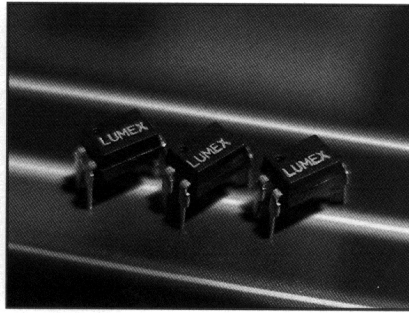


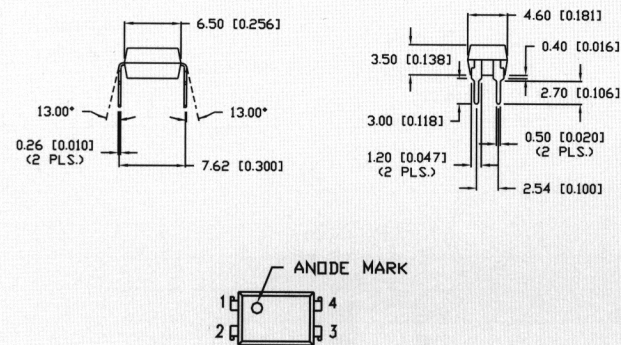
OCP-PCT114 Package

Applications

- Monitors
- SMPS
- Cordless Phones
- Modems
- Battery Charger
- DC-DC Converter
- Keyboards
- Appliance Controls
- Power Supplies
- Sound Cards
- Caller ID
- PBX/Mini Exchange
- Telecom
- TV, VCR, Video



OCP-PCT114/X



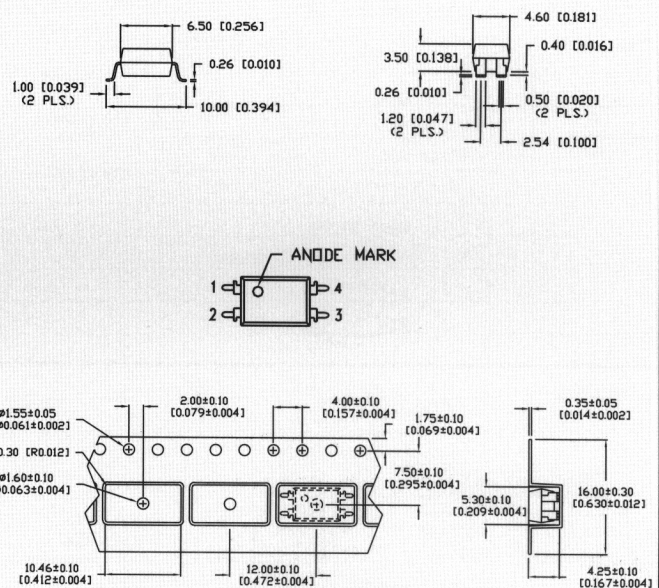
PART NUMBER TABLE		
PART=	/X	CTR (%)
/A		60 TO 160
/B		130 TO 260
/C		200 TO 400
/D		300 TO 600
/E		60 TO 600



NOTES:

1. ANODE
2. CATHODE
3. EMITTER
4. COLLECTOR

OCP-PCT114/X-TR



ELECTRO-OPTICAL CHARACTERISTICS (T_a=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 _i	V=0, f=1kHz	-	30	-	pF
O COLLECTOR DARK CURRENT	I _{ceo}	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.

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
REVERSE VOLTAGE	V _R	6	V
POWER DISSIPATION	P _D	70	mW
O COLLECTOR-EMITTER VOLTAGE	V _{CEO}	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 TEMPERATURE	T _{opr}	-30 TO +100	°C
STORAGE TEMPERATURE	T _{slg}	-55 TO +125	°C
SOLDERING TEMPERATURE	T _{sol}	+260	°C
2.0mm FROM BODY		10 SEC. MAX	

I=INPUT, O=OUTPUT,

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

UL Listed Under FPQU2



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