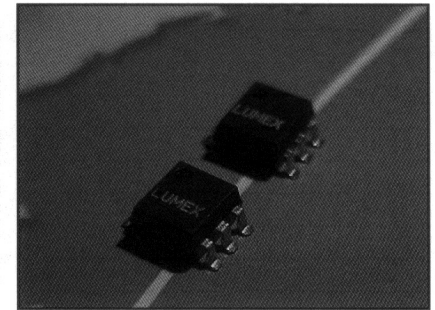
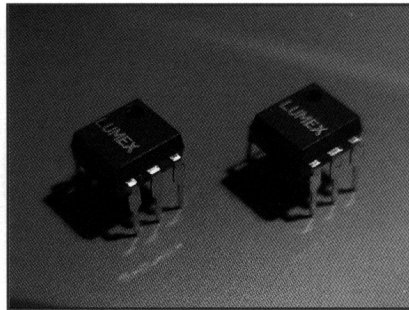


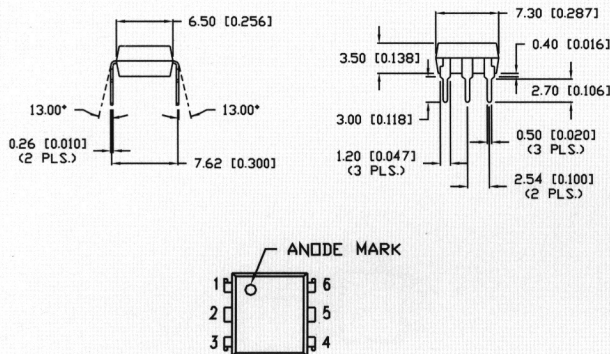
OCP-PCTB116 Package

Applications

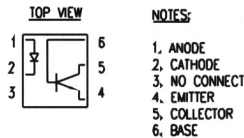
- Battery Chargers
- SMPS
- Automation Controls
- Caller ID Boxes
- Telecoms
- Modems
- Power Supplies



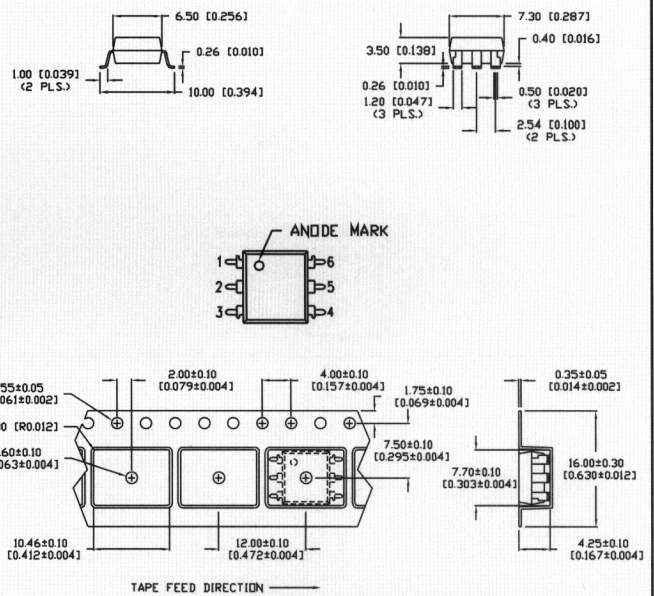
OCP-PCTB116/X



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



OCP-PCTB116/X-TR



ELECTRO-OPTICAL CHARACTERISTICS (To=25°C)

PARAMETER	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNITS
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
COLLECTOR DARK CURRENT	I _{ceo}	V _{ce} =20V	-	-	10 ⁻⁷	A
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 (To=25°C)

PARAMETER	SYMBOL	MAX	UNITS
FORWARD CURRENT	I _f	50	mA
PEAK FORWARD CURRENT	I _{fm}	1	A
REVERSE VOLTAGE	V _r	6	V
POWER DISSIPATION	P _o	70	mW
COLLECTOR-EMITTER VOLTAGE	V _{ceo}	60	V
EMITTER-COLLECTOR VOLTAGE	V _{eco}	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 (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.

UL Listed Under FPQU2

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