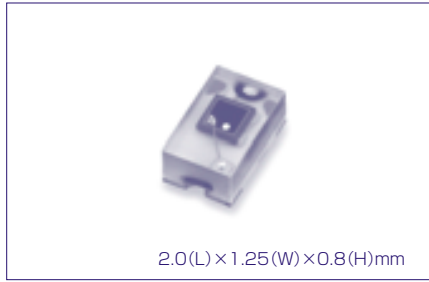


# CPT-176 Series



## ■ 用途 Application

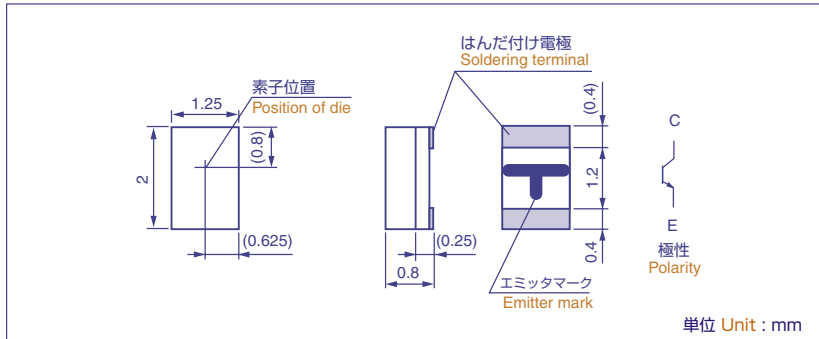
1. 照度センサー。
  2. 携帯電話の周囲光検出。
1. Ambient light sensor.
  2. Detection of ambient light for mobile telephones.

## ● 電気的光学的特性 Electro-optical characteristics (Ta 25°C)

Item	Symbol	Conditions	Min	Typ	Max	Unit
光電流 Light current	$I_C$	$V_{CE}=1.5V$ *1 $E_V=100lx$	20	35	50	$\mu A$
暗電流 Collector dark current	$I_{CEO}$	$V_{CE}=5V$	-	5	100	nA
コレクタ・エミッタ間飽和電圧 Saturated voltage between collector & emitter	$V_{CE(Sat)}$	$I_C=100\mu A$ *1 $E_V=100lx$	-	0.1	0.4	V
ピーク感度波長 Peak sensitive wave length	$\lambda_p$	-	-	580	-	nm
応答時間 Response Time	立上がり Rise time	$V_{CE}=5V$ $I_C=1mA$ $R_L=1000\Omega$	-	50	-	$\mu SEC$
	立下がり Fall time		-	50	-	$\mu SEC$
半値角 Spectral width of half value	$\theta_{1/2}$	-	-	±70	-	deg.

\*1  $E_V$ =CIE標準A光源  $E_V$ =Illuminance by CIE standard light source A.

## ● 外形寸法図 Outline drawing



## ■ 諸特性 Characteristics

