

PNZ7103

Bipolar Integrated Circuit with Photodetection Function

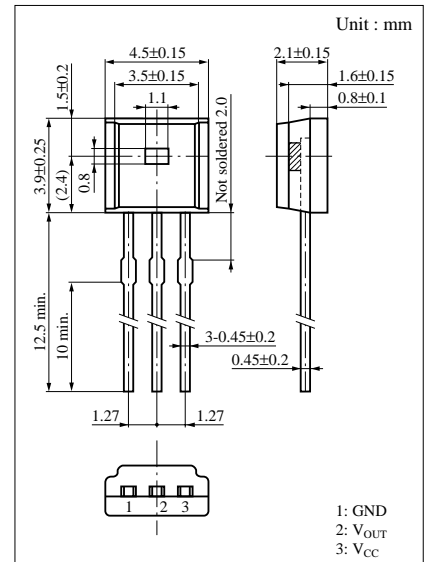
For photoelectric sensor systems

■ Features

- Built-in amplifier circuit
- Small plastic package (flat type)

■ Absolute Maximum Ratings (Ta = 25°C)

Parameter	Symbol	Ratings	Unit
Power supply voltage	V_{CC}	+15	V
Operating supply voltage sensitivity	V_C	+3.0 to +3.5	
Power dissipation	P_D	100	mW
Operating ambient temperature	T_{opr}	-25 to +85	°C
Storage temperature	T_{stg}	-40 to +100	°C



■ Electro-Optical Characteristics ($V_{CC} = 3.2V$, $R_L = 5.1k\Omega$, $T_a = 25^\circ C \pm 3^\circ C$)

Parameter	Symbol	Conditions	min	typ	max	Unit
Current consumption without incident light	I_{CC}			1.4	2.2	mA
Photoelectric sensitivity (AC)	A	$\lambda = 780nm$	144	180	216	V/mW
		$\lambda = 950nm$		200		
Output noise voltage without signal	V_{ON}			0.9		mVrms