

産機エンコーダ用点光源

FA Encoder Pin point LED

赤外点光源 IR Pin point LED

OPA8508PPS, OPA8510PPS, OPA8518PPS

ラインナップ
LINE UP

新製品
NEW
PRODUCT

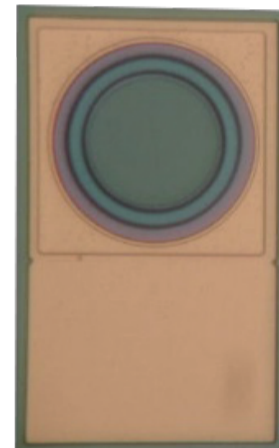
製品概要 Product outline

産機エンコーダ用の光源として、高信頼性を重視した赤外点光源
発光径φ80, 100, 180μmをLine up

As a light source for industrial machine encoder,
an infrared point light source emphasizing high reliability
Luminescent diameters φ80, 100, 180μm as Line up

Chip :
OPA8510PPS

Light Emission



用途 Applications

ACサーボモータなどに使用される産機エンコーダ用の光源
特に、φ80, 180μmはLEDの側面からの漏れ光を軽減した
反射型推奨品

Light source for industrial machine encoder used for AC servomotor etc

In particular, φ80 and 180μm are reflective type recommended products that reduce leakage light from the side of the LED

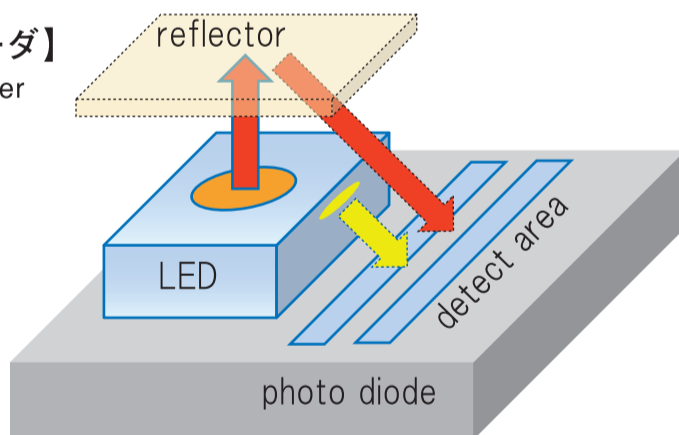
特長 Features

反射型エンコーダのNoise成分となる側面からの漏れ光を極限まで低減、樹脂等での側面遮光が不要。

Leakage light from the side which becomes the Noise component of the reflection type encoder is reduced to the limit,
side light shielding by resin etc. is unnecessary

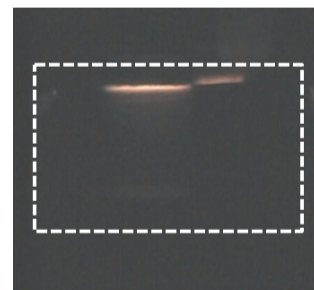
【反射型エンコーダ】
reflective encoder

→ Signal
→ Noise

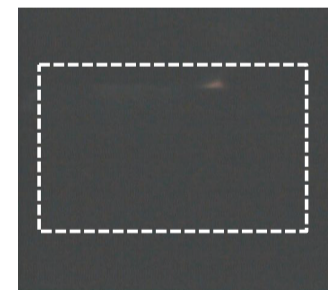


LED chip side direction

【側面漏れ光 有】
Leakage light remain



【側面漏れ光 低減】
Leakage light reduced



品番 Item	発光径 Emission size [μm]	特性 Electro-Optical characteristics			定格 Absolute maximum ratings			
		順方向電圧 Forward voltage [V] IF=20mA	光出力 Radiated power [mW] IF=20mA	ピーク波長 Peak wavelength [nm] IF=20mA	順電流 Forward current [mA]	逆電圧 Reverse voltage [V]	動作温度 Operating temperature [°C]	保存温度 Storage temperature [°C]
OPA8508PPS ★	φ80	1.7	1.1	850	80	3	-30~+85	-40~100
OPA8510PPS	φ100	1.5	1.1	850	100	3	-30~+100	-40~100
OPA8518PPS ★	φ180	1.5	1.3	850	100	3	-30~+100	-40~100
OPA8518PPS(H)★	φ180	1.5	1.3	850	100	3	-30~+125	-40~125

★ chip側面漏れ光低減 chip side direction leak light reduced

■ : 125° 高温対応 high temp spec