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PD60-TO46-FW Series

Features:

- Low Voltage Operation
- Low Capacitance and High Speed with a PIN Structure
- Low Dark Current
- Excellent Stability

Applications:

- Digital and Analog Optical Communication
- Optical LAN
- OTDR

Specifications:

Absolute Maximum Ratings:

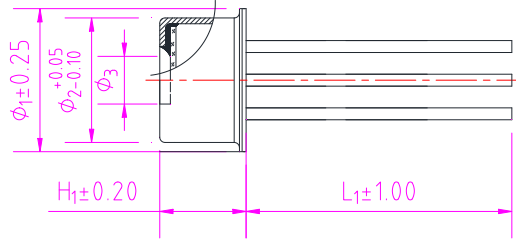
| Parameter | Symbol | Min. | Max. | Unit |
|--------------------------|-----------|------|------|------|
| Reverse Voltage | V_R | — | 20 | V |
| Forward Current | I_F | — | 5 | mA |
| Max. Optical Input Power | P_{MAX} | — | 5 | mW |
| Operating Temperature | T_{op} | -40 | +85 | °C |
| Storage Temperature | T_{stg} | -40 | +85 | °C |
| Lead Solder Temperature | — | — | 260 | °C |
| Lead Solder Time | — | — | 10 | s |

Characteristics: ($T_a=25^\circ\text{C}$ unless otherwise noted)

| Parameter | Symbol | Test Conditions | Min. | Typ. | Max. | Unit | |
|---------------------------------|------------|--------------------------------|-----------------|------|------|---------------|-----|
| Active Diameter | D | — | — | 60 | — | μm | |
| Bandwidth | BW | $V_R=5\text{V}$ | 3 | — | — | GHz | |
| Responsivity | @1310nm | R | $V_R=5\text{V}$ | 0.8 | 0.9 | — | A/W |
| | @1550nm | R | $V_R=5\text{V}$ | 0.9 | 0.95 | — | A/W |
| Dark Current | ID | $V_R=5\text{V}$ | — | 0.2 | 1.0 | nA | |
| Chip Capacitance | C_{chip} | $V_R=5\text{V}, f=1\text{MHz}$ | — | 0.45 | 0.5 | pF | |
| Optical Spectrum Response Range | λ | — | 1100 | — | 1620 | nm | |
| Operating Voltage | V | — | — | -5 | — | V | |



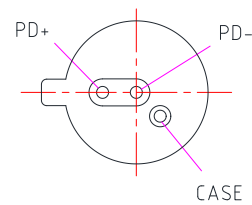
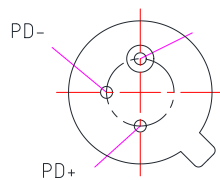
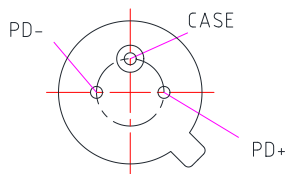
Mechanical Dimension and Pin Assignment:



Type A

Type B

Type C



Standard Product List:

| Product name | Φ ₁ (mm) | Φ ₂ (mm) | Φ ₃ (mm) | H ₁ (mm) | L ₁ (mm) | Received light form |
|----------------|---------------------|---------------------|---------------------|---------------------|---------------------|--|
| PD60-TO46-FW-A | 5.4 | 4.7 | 1.8min | 3.25 | 14 | Parallel light & Divergent light |
| PD60-TO46-FW-B | 5.4 | 4.7 | 1.8min | 3.25 | 14 | |
| PD60-TO46-FW-C | 5.4 | 4.7 | 1.8min | 3.25 | 14 | |

- Standard and custom designs to suit your systems.

Order Information:

PD60 - - - -

Header Type:
TO46

Cap Type:
FW: Flat Window

Numbers of Pin:
3pin
4pin

Pin Assignment:
A: Type A
B: Type B
C: Type C



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Statement:

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