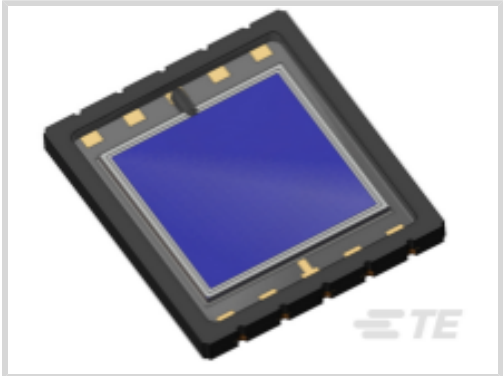




TE Internal #: 01-009-F
Pin Photodiode, 100 mm² [.155 in²] Active Area, 10 mm [.393 in]
Active Area Diameter, 10 mm [.393 in] Active Area Width, 400 – 1100 nm Wavelength
[View on TE.com >](#)

Sensors > Optical Sensors > Photodiode Sensors



Optical Detector Type: **Pin Photodiode**
Total Active Area: **100 mm² [.155 in²]**
Active Area Diameter: **10 mm [.393 in]**
Active Area Width: **10 mm [.393 in]**
Operating Wavelength: **400 – 1100 nm**

Features

Product Type Features

Optical Sensor Product Type	Detector
Optical Detector Type	Pin Photodiode
Sensor Package	Surface Mounted Device (SMD)

Signal Characteristics

Operating Wavelength	400 – 1100 nm
----------------------	---------------

Dimensions

Total Active Area	100 mm ² [.155 in ²]
Active Area Diameter	10 mm[.393 in]
Active Area Width	10 mm[.393 in]

Usage Conditions

Operating Temperature Range	-20 – 60 °C[-4 – 140 °F]
-----------------------------	--------------------------

Operation/Application

Optical Sensor Application	Pulsed Light Detection
----------------------------	------------------------

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed



China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Customers Also Bought



TE Part #CAT-D48-ST273
DEUTSCH Connector Solid Contacts



TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_01-009-F_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_01-009-F_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_01-009-F_F.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

Datasheet_PS100-7_SMD_01-009-F

English