



## EUV photodiode

Model : ST-EUV25

### General Features:

- SiC-based extreme ultraviolet (EUV) photodiode
- Excellent stability under high fluence EUV exposure
- Photovoltaic mode operation
- Visible blind and low dark current
- Windowless TO-8 metal housing
- High detection efficiency for 13.5 nm EUV radiation

**Applications:** EUV radiation monitoring and flux measurement

### Specifications:

| Parameters                  | Symbol      | Value  | Unit |
|-----------------------------|-------------|--------|------|
| <b>Maximum ratings</b>      |             |        |      |
| Operation temperature range | $T_{opt}$   | -20-80 | °C   |
| Storage temperature range   | $T_{sto}$   | -55-90 | °C   |
| Soldering temperature (3 s) | $T_{sol}$   | 260    | °C   |
| Maximum reverse voltage     | $V_{r-max}$ | -20    | V    |

### Electro-Optical characteristics (25 °C)

Chip size