

|                           |   |
|---------------------------|---|
| 29500078                  | <b>DATA SHEET</b>                         |
| Valid from:<br>04.07.2019 | <b>POF OPTICAL TMR ADAPTER (*A),850NM</b> |

## Description

- Changeable Adapter for optical level transmitter
- Suitable for optical tests of glass optical fibre and polymer cladde fibre with core-Ø > 50µm in combination with optical level transmitter (article 29500070)
- For connector types F-ST and HFBR available



## General characteristics

|  |  |
|--|--|
| Connection, to connector                 | F-ST or HFBR   |
| Connection, to optical level transmitter | BNC (bayonet nut connector)  |
| Temperature range                        | -40 °C to +100 °C (-40 °F to +212 °F) (operation)<br>-40 °C to +115 °C (-40 °F to +239 °F) (storage) |

## Variation

| Article  | Description                            | Adapter (*A)                   | Dimensions [mm]     |
|----------|--|--------------------------------|---------------------|
| 29500078 | POF OPTICAL TMR ADAPTER HFBR,850NM     | HFBR (Versatile Link Standard) | Ø14.5 mm x 35.50 mm |
| 29500079 | POF OPTICAL TMR ADAPTER ST(BFOC),850NM | F-ST (IEC 61754-2)             | Ø14.5 mm x 37.20 mm |

## Electrical properties

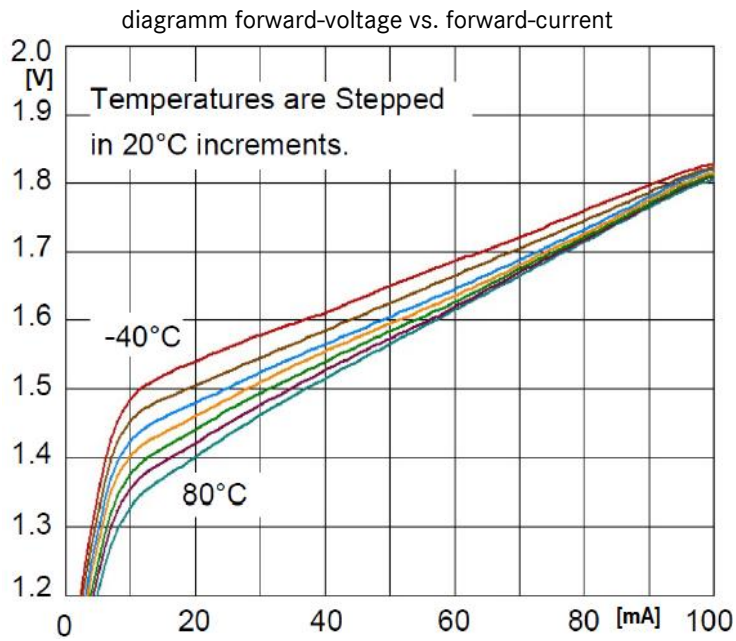
|   |   |
|---|---|
| Transmitter, type                               | LED   |
| Transmitter, wavelength (typ.)                  | 850 nm  |
| Forward voltage (typ., T <sub>A</sub> = +25 °C) | 1.8 V @ 50 mA   |
| Forward current                                 | 100 mA  |
| Inverse voltage                                 | 1 V   |
| Optical output power (typ., @ 100 mA)           | 29 µW (fibre 50/125µm, NA 0.2)<br>89 µW (fibre 62,5/125µm, NA 0.28)<br>200 µW (fibre 100/140µm, NA 0.29)<br>750 µW (fibre 200/230µm, NA 0.41) |

## Mechanical properties

|                          |         |
|--------------------------|---------|
| Housing, material        | metal   |
| Connector HFBR, material | plastic |
| Connector F-ST, material | metal   |

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### Characteristics curve



### Application range

Laboratory testing, receiver and attenuation testing, optical installation and quality control

### Note

Photographs are not true to scale and do not represent detailed images of the respective products.