

## Expander Laser, green, 532 nm, 5 mW

E532-5-3(24x120)APT20  
Order Number: 70102499

| Main Parameters (*)   | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength            |     | 532 |     | nm   |
| Optical Output Power  |     | 5   |     | mW   |
| Operating Voltage     | 2.7 | 3   | 3.3 | V DC |
| Operating Current     | 150 | 300 | 400 | mA   |
| Operating Temperature | 15  |     | 30  | °C   |
| Storage Temperature   | -40 |     | 80  | °C   |

### Main Data

|          |         |
|----------|---------|
| Warranty | 1 years |
|----------|---------|

### Technical Parameters

|          |           |
|----------|-----------|
| Lifetime | > 5,000 h |
| RoHS     | yes       |

### Optical Parameters

|                    |                        |
|--------------------|------------------------|
| Beam Shape         | expander               |
| Laser Class        | 2M                     |
| Operating Distance | 150 m                  |
| Optics             | glass lens AR coated   |
| Beam Mode          | TEM00                  |
| Laser technology   | Solid State (YVO4+KTP) |
| Stability          | +/- 20% @ 15-30°C      |
| Focus              | adjustable             |
| Warm up time       | < 15 min               |

### Electrical Parameters

|                      |                                                                                                                |
|----------------------|----------------------------------------------------------------------------------------------------------------|
| Potential of Housing | isolated                                                                                                       |
| Power Supply         | Power Supply with stripped/tinned wires, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max. |

### Mechanical Parameters

|          |            |
|----------|------------|
| Size     | Ø24x120 mm |
| Material | aluminium  |

|                 |                |
|-----------------|----------------|
| Cable length    | 100 mm         |
| Wire type       | 26AWG, 0,14mm² |
| Output Aperture | 20 mm          |
| Housing Color   | black          |
| Weight          | 120.5 g        |

(\*) Over the complete operating temperature range

### Features



- Operating Voltage 3V DC
- Glas lenses anti reflex coated
- Laser Class 2M
- Adjustable focus
- Uniform illumination

### Picture



### Cable color

|          |                                                                                      |       |                       |
|----------|--------------------------------------------------------------------------------------|-------|-----------------------|
| Ground   |  | black | GND                   |
| Positive |  | red   | 2.7 - 3.3, typ 3 V DC |

### Safety Label



### Valid Revision

0 | 25-MAY-2020