

**Product:** [PTN-SFP-C37.94-850](#) 



**SFP C37.94-850nm MM**

**Product Description**

SFP for C37.94 - 850nm Multimode for DRAGON-PTN

**Technical Specifications**

**Product description**

|                         |   |
|-------------------------|---|
| Type:                   | PTN-SFP-C37.94-850,SFP C37.94-850nm MM          |
| Description:            | SFP for C37.94 - 850nm Multimode for Dragon-PTN |
| Part Number:            | 942 245-028                                     |
| Port type and quantity: | 1 x 2 Mbit/s with LC connector                  |

**Network size - length of cable**

|                                   |   |
|-----------------------------------|---|
| Multimode fiber (MM) 50/125 µm:   | 0 - 2 km (Link Budget at 850 nm = 0 - 13 dB; A = 3.0 dB/km; BLP = 400 MHz*km) |
| Multimode fiber (MM) 62.5/125 µm: | 0 - 2 km (Link Budget at 850 nm = 0 - 13 dB; A = 3.2 dB/km; BLP = 200 MHz*km) |

**Power requirements**

|                    |                           |
|--------------------|---------------------------|
| Operating Voltage: | power supply via the node |
| Power consumption: | 1 W                       |

**Software**

|              |   |
|--------------|---|
| Diagnostics: | Optical input and output power, transceiver temperature |
|--------------|---|

**Ambient conditions**

|                                     |            |
|-------------------------------------|------------|
| Operating temperature:              | -30-+60 °C |
| Storage/transport temperature:      | -30-+75 °C |
| Relative humidity (non-condensing): | 5-95 %     |

**Mechanical construction**

|                   |          |
|-------------------|----------|
| Weight:           | 40 g     |
| Mounting:         | SFP slot |
| Protection class: | IP20     |

**Mechanical stability**

|                          |  |
|--------------------------|--|
| IEC 60068-2-6 vibration: | 3.5 mm, 3 Hz-9 Hz, 10 cycles, 1 octave/min.; 1 g, 9 Hz-150 Hz, 20 cycles, 1 octave/min |
| IEC 60068-2-27 shock:    | 15 g, 11 ms duration, 18 shocks  |

**EMC interference immunity**

|   |   |
|---|---|
| EN 61000-4-2 electrostatic discharge (ESD): | 8 kV contact discharge, 15 kV air discharge                     |
| EN 61000-4-3 electromagnetic field:         | 35 V/m (80-3800 MHz)  |
| EN 61000-4-4 fast transients (burst):       | 2 kV power line, 1 kV data line                                 |
| EN 61000-4-5 surge voltage:                 | power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line |
| EN 61000-4-6 Conducted Immunity:            | 3 V (10 kHz-150 kHz), 10 V (150 kHz-80 MHz)                     |

## EMC emitted immunity

|                    |                            |
|--------------------|----------------------------|
| EN 55022:          | EN 55022 Class B           |
| FCC CFR47 Part 15: | FCC 47CFR Part 15, Class B |

## Approvals

|   |         |
|---|---------|
| Safety of information technology equipment: | EN60950 |
|---|---------|

## Scope of delivery and accessories

|                    |            |
|--------------------|------------|
| Scope of delivery: | SFP module |
|--------------------|------------|

## Variants

| Item #    | Type                                   |
|-----------|--|
| 942245028 | PTN-SFP-C37.94-850,SFP C37.94-850nm MM |

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.16 Revision Date: 02-24-2020 |
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