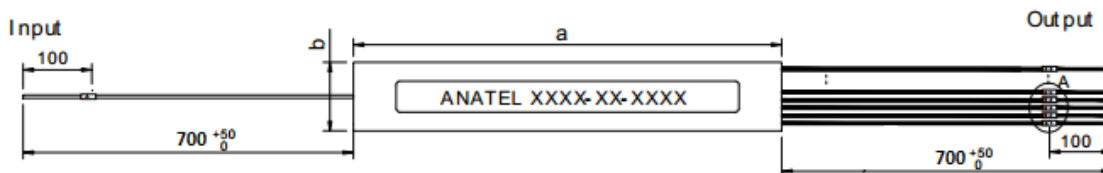


## Technical Data Sheet

# Rosenberger

Optical splitter 1xN, 900 $\mu$ m, 0.7m, assembled with SC/UPC connector in both ends.

**1X3S1X7878BBAFN**



All dimension unit is: mm.

### Description

The PLC splitter is a passive device that split one or two Chanel fiber into “N” channels. The splitter Split the optical signal equally in all output fibers.

### Features

|                          |                                                  |
|--------------------------|--------------------------------------------------|
| Fiber type               | 9/125 $\mu$ m G. 657-A2, 900 $\mu$ m, color tube |
| Insertion Loss (IL)      | see table below                                  |
| Return Loss (RL)         | $\geq 50$ dB                                     |
| Directivity              | $\geq 55$ Db                                     |
| Connector                | SC                                               |
| Polish                   | UPC                                              |
| Operating wavelength     | 1260~1650 nm                                     |
| Temperature to operation | - 40 ~ +85°C                                     |
| Temperature to storage   | - 40 ~ +85°C                                     |

### Specification

| Parameter  | Unit | 1x2  | 1x4  | 1x8   | 1x16  | 1x32  | 1x64  |
|------------|------|------|------|-------|-------|-------|-------|
| IL(max)    | dB   | <3.5 | <7.3 | <10.5 | <13.7 | <17.0 | <20.0 |
| Uniformity | dB   | <0.5 | <0.8 | <1.0  | <1.3  | <1.3  | <2.5  |
| PDL        | dB   | <0.2 | <0.2 | <0.25 | <0.3  | <0.3  | <0.3  |

### Fiber colors

| Input port  | Transparent |    |    |    |    |    |    |    |        |
|-------------|-------------|----|----|----|----|----|----|----|--------|
|             | Colorful    |    |    |    |    |    |    |    |        |
| Output port | 1           | 9  | 17 | 25 | 33 | 41 | 49 | 57 | Green  |
|             | 2           | 10 | 18 | 26 | 34 | 42 | 50 | 58 | Yellow |
|             | 3           | 11 | 19 | 27 | 35 | 43 | 51 | 59 | White  |
|             | 4           | 12 | 20 | 28 | 36 | 44 | 52 | 60 | Blue   |
|             | 5           | 13 | 21 | 29 | 37 | 45 | 53 | 61 | Red    |
|             | 6           | 14 | 22 | 30 | 38 | 46 | 54 | 62 | Violet |
|             | 7           | 15 | 23 | 31 | 39 | 47 | 55 | 63 | Brown  |
|             | 8           | 16 | 24 | 32 | 40 | 48 | 56 | 64 | Pink   |

*Optical splitter 1xN, 900μm, 0.7m, assembled with SC/UPC connector in both ends.*

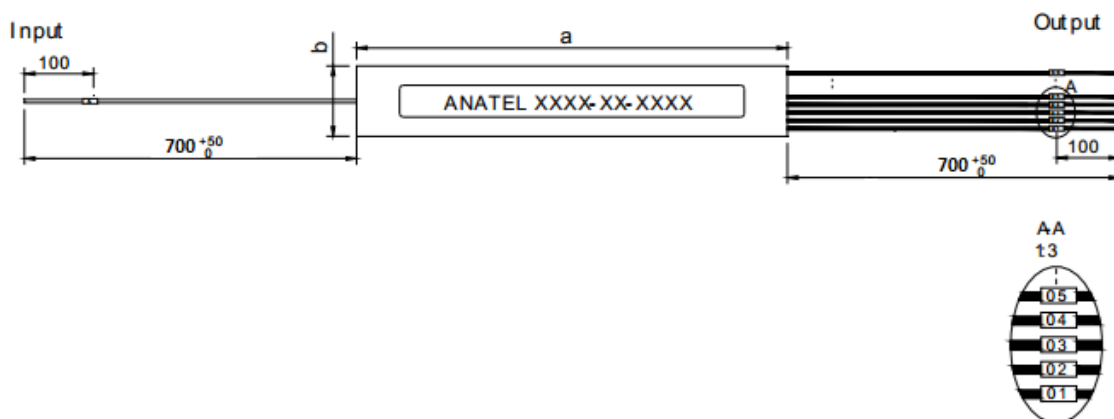
**1X3S1X7878BBAFN**

## Dimension

| Type | Dimension (mm) / a x b x c |
|------|----------------------------|
| 1x2  | 55x7x4                     |
| 1x4  | 55x7x4                     |
| 1x8  | 55x7x4                     |
| 1x16 | 60x12x4                    |
| 1x32 | 80x20x6                    |
| 1x64 | 100x40x6                   |

## Accessories

All splitters have adhesive tape in it base, type 3M VHB, for fixation in Optical distribution box and each splitter fiber is identifying with a number ring.



## Technical Data Sheet

# Rosenberger

*Optical splitter 1xN, 900µm, 0.7m, assembled with SC/UPC connector in both ends.*

### 1X3S1X7878BBAFN

#### Ordering Information

| PN mentioned in PO's description: | Packing label description:                                                                                                                                  |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1X3S1B7878BBAFN                   | SPLITTER OPTICO SM, 1260 ~ 1650NM, 1X2, G657-A2, FIBRA DE ENTRADA E SAIDA COM DIMENSAO DE 900UM, CONECTORIZADO COM SC/UPC E COM 0,7 METROS DE COMPRIMENTO.  |
| 1X3S1C7878BBAFN                   | SPLITTER OPTICO SM, 1260 ~ 1650NM, 1X4, G657-A2, FIBRA DE ENTRADA E SAIDA COM DIMENSAO DE 900UM, CONECTORIZADO COM SC/UPC E COM 0,7 METROS DE COMPRIMENTO.  |
| 1X3S1D7878BBAFN                   | SPLITTER OPTICO SM, 1260 ~ 1650NM, 1X8, G657-A2, FIBRA DE ENTRADA E SAIDA COM DIMENSAO DE 900UM, CONECTORIZADO COM SC/UPC E COM 0,7 METROS DE COMPRIMENTO.  |
| 1X3S1E7878BBAFN                   | SPLITTER OPTICO SM, 1260 ~ 1650NM, 1X16, G657-A2, FIBRA DE ENTRADA E SAIDA COM DIMENSAO DE 900UM, CONECTORIZADO COM SC/UPC E COM 0,7 METROS DE COMPRIMENTO. |
| 1X3S1F7878BBAFN                   | SPLITTER OPTICO SM, 1260 ~ 1650NM, 1X32, G657-A2, FIBRA DE ENTRADA E SAIDA COM DIMENSAO DE 900UM, CONECTORIZADO COM SC/UPC E COM 0,7 METROS DE COMPRIMENTO. |
| 1X3S1G7878BBAFN                   | SPLITTER OPTICO SM, 1260 ~ 1650NM, 1X64, G657-A2, FIBRA DE ENTRADA E SAIDA COM DIMENSAO DE 900UM, CONECTORIZADO COM SC/UPC E COM 0,7 METROS DE COMPRIMENTO. |

|             |            |            |      |
|-------------|------------|------------|------|
| Elaborado   | Date       | Aprovação  | Rev. |
| Leonardo A. | 04/07/2019 | Monique G. | -    |

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Page

3 / 3