

**RC-1xNM9PLC-SA 1xN PLC Splitter Mini Module 900um with SC/APC Connector**

**General Description**

This specification covers the requirement of splitter module.

**Operating Conditions**

<i>Parameter</i>	<i>Unit</i>	<i>Specifications</i>
Operating Temperature	°C	- 40 ~ + 85
Wavelength Range	nm	1260 ~ 1630
Maximum Input Power	mW	500

Table 1. Operating Conditions

**Inspection**

Inspection sheet shall be an appended to products when they are delivered.

It shall contain the following items.

(\*) Test report shall be submitted in papers and in electronic media.

Parameter	Condition	Unit	Specification			
			1 X 4	1 X 8	1 X 16	1 x 32
Max Insertion loss	All ports @1.31,1.55 um	dB	≤7.2	≤10.7	≤13.9	≤17.2
Uniformity of I.L	@1.31, 1.55um	dB	≤ 0.8	≤ 1.0	≤ 1.4	≤ 1.6
PDL	All ports @1.31, 1.55um	dB	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3
Return loss	All ports @1.31, 1.55um	dB	≥ 55			
Appearance			i.e. by indication of `passed`			

Table 2. Inspection

**RC-1xNM9PLC-SA 1xN PLC Splitter Mini Module 900um with SC/APC Connector**

**Structure**

**Dimensional Parameter**

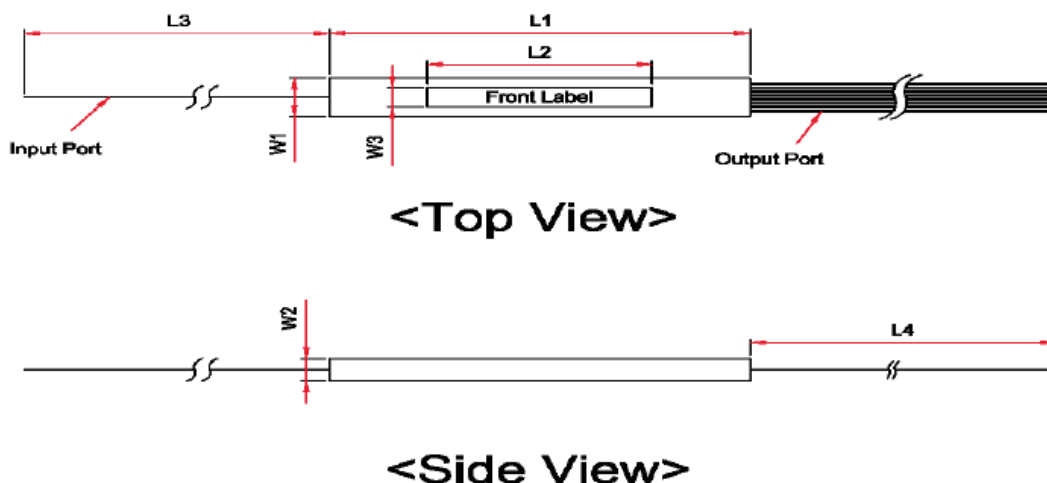


Figure 1. Dimensional Parameter

Parameter	Description	Tolerance	1x4_250	1x8_250	1x16_127	1x32_127
L1 (mm)	Module length	± 1.0	55	55	60	80
L2 (mm)	Front label length	± 0.5	44	44	44	44
L3 (m)	Input fiber length	+1.0, -0	1 or XX <sup>1)</sup>	1 or XX <sup>1)</sup>	1 or XX <sup>1)</sup>	1 or XX <sup>1)</sup>
L4 (m)	Output fiber length	+1.0, -0	1 or XX <sup>1)</sup>	1 or XX <sup>1)</sup>	1 or XX <sup>1)</sup>	1 or XX <sup>1)</sup>
W1 (mm)	Module width (Top view)	± 0.1	7	7	12	23
W2 (mm)	Module width (Side view)	± 0.1	4	4	4	4.5
W3 (mm)	Front label width	± 0.5	5	5	5	5

1) XX = Customized

Table 3. Dimensional Parameter (1 x N module)

**RC-1xNM9PLC-SA 1xN PLC Splitter Mini Module 900um with SC/APC Connector****Input Fiber**

1) 1 X N module

Input Fiber Color: White

Input Fiber:  $\phi$  250 +/- 15um SMF with 900um loose tube

**Output Fiber**

Output Fiber Color: White 900um loose tube cover Ribbon and Ribbon Color Refer to table 4

Output Fiber:

1 x 4(250): 4x  $\phi$  250 +/- 15um SMF with 900um tube

1 x 8(250): 8x  $\phi$  250 +/- 15um SMF with 900um tube

1 x 16(127): 16x  $\phi$  250 +/- 15um SMF with 900um tube

1 x 32(127): 32x  $\phi$  250 +/- 15um SMF with 900um tube

## RC-1xNM9PLC-SA 1xN PLC Splitter Mini Module 900um with SC/APC Connector

<i>Ch No.</i>	<i>4ch_250</i>	<i>8ch_250</i>	<i>16ch_127</i>	<i>32ch_127</i>
1,17	Blue	Blue	Blue	Blue
2,18	Orange	Orange	Blue	Blue
3,19	Green	Green	Orange	Orange
4, 20	Brown	Brown	Orange	Orange
5, 21		Slate	Green	Green
6, 22		White	Green	Green
7, 23		Red	Brown	Brown
8, 24		Black	Brown	Brown
9, 25			Slate	Slate
10, 26			Slate	Slate
11, 27			White	White
12, 28			White	White
13, 29			Red	Red
14, 30			Red	Red
15, 31			Black	Black
16, 32			Black	Black

Table 4. Output fiber color

## RC-1xNM9PLC-SA 1xN PLC Splitter Mini Module 900um with SC/APC Connector

### Other Requirements

1. Splitter module should be complied with Side pull and fiber retention test of GR1209 condition.
2. Splitter module should be used bend free fiber(R15).
3. Splitter module should be complied with RoHS standard.

### Serial number

Serial product number shall be named in the following format.

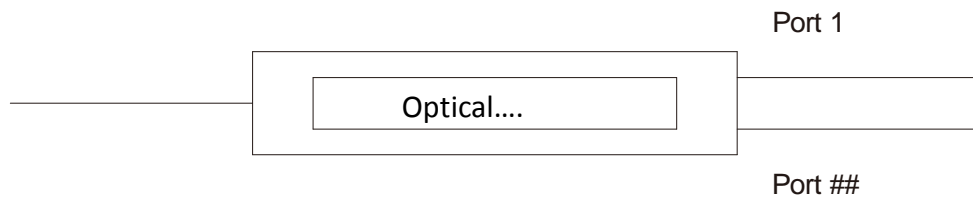
Serial product number: Example; SM09A – 004 – 0000

- \* SM : Product Name [Splitter Module]
- \* 09 : Manufacturing Year [2009]
- \* A : Month
- \* 004 : Product type [ 1x4(250): 004, 1x8(250): 008, 1x16(127): 016, 1x32(127): 032]
- \* 0000 : Sequential No.

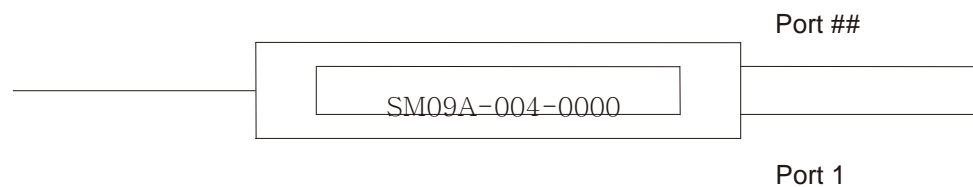
### Label

Company label and S/N label shall be attached with the product in the following manner.

Front side: Company label



Back side: S/N label



##: Number of channel

## **RC-1xNM9PLC-SA 1xN PLC Splitter Mini Module 900um with SC/APC Connector**

### **Packaging**

Products shall be packed into a suitable case in order to prevent damage during transportation and storage as long as A's company with not demand other requirement.

### **Others**

When the problem is caused concerning this specification sheet, both companies will confer in sincerity for the solution.

## RC-1xNM9PLC-SA 1xN PLC Splitter Mini Module 900um with SC/APC Connector

