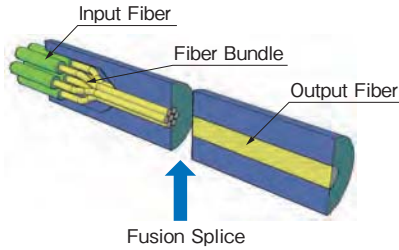


# Optical Power Combiner | OPC

RoHS

A component for combining optical fibers, featuring an adhesive-free structure using glass fusing technology to allow multiple optical fibers to be bundled together and joined efficiently to a large diameter core optical fiber. Can be used to bundle up to 61ch optical fibers to deliver high output light required for next-generation optical fibers or LED lights. Available in two mounting types: high power type and low power type.



### Package Type

● High power type



High-resistant design used to achieve a high output structure.

● Low power type



A simple parts layout means lower costs.

### Specifications

Type							
Number of input fiber strands	2	3	4	7	19	37	61
Input Fiber NA	0.12, 0.15, 0.22						
Input Fiber Core Diameter	105μm						
Input Fiber Cladding Diameter	125μm						
Output Fiber NA	- 0.48						
Output Fiber Core Diameter	200, 400, 600μm						
Operating Wavelength	400 - 1600nm						
Transmittance (coupling efficiency)	≥90%						
Light resistance	- 1W/ch						
Connector	SMA, FC, SC						
Cooling Method	Air-cooling						
Package Size (high power type)	9.5×60×15	9.5×60×15	9.5×60×15	9.5×60×15	9.5×80×15	9.5×80×15	9.5×80×15
Package Size (low power type)	φ5×60						

Note: If the optical fiber NA, core and cladding diameter to be bundled, the bundled number of fibers, jacket tube material, outer diameter and others are specified they can be custom-designed. Standard bundled strands are from 2 to 61 fibers. Please contact our International Sales Division if there will be more than 62 optical fibers, or if specifying the type of fibers being used. General purpose fibers packed with adhesive are also available.

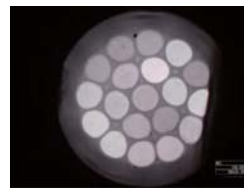
### Bundled end face by ch



No. of ch: 4ch



No. of ch: 7ch



No. of ch: 19ch



No. of ch: 61ch

### Specifying Part Numbers

OPC- [ ] [ ] - [ ] [ ] [ ] - [ ] [ ] [ ] - [ ] [ ] [ ] - [ ] [ ] [ ] - [ ] - [ ] [ ]

#### Number of fiber strands

02:	2
03:	3
04:	4
07:	7
19:	19
37:	37
61:	61

#### Input Fiber NA

120:	0.12
150:	0.15
220:	0.22

#### Output Fiber NA

480:	0.48
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#### Output Fiber Core Diameter

200:	200μm
400:	400μm
600:	600μm

#### Package Shape

H:	High power type
L:	Low power type

#### Input/Output Fiber Diameter

200:	200μm
400:	400μm
600:	600μm

#### Connector Type

SMA0:	SMA0 Input End No SMA Output End
OFC:	No Input End Output End FC