

Single Mode WDM Couplers

Features:

- High Reliability
- Ultra Low Pump Loss
- Ultra Low PDL
- High Isolation



Applications:

- Telecommunications
- Fiber Optical Amplifier
- WDM System
- RoHS Compliant Available

Specifications¹:

Parameter	Unit		Grade "A"		
Central Wavelength (λ c)	nm		1310/1550	1480/1550	980/1550
Bandwidth	nm		+/-15	+/-5	965~995/1528~1565
Type	%		1'2 or 2'2		
Isolation	Min.	dB	17	13	18
Insertion Loss	Max.	dB	0.20	0.25	0.20
Directivity	Min.	dB	60		
PDL	Max.	dB	0.1		
Thermal Stability	Max.	dB/°C	0.002		
Fiber Type			Corning SMF-28e	Corning SMF-28e	OFS 980 or Hi1060 Flex
Fiber Length	m		1.0+/-0.1, or customer on request		
Operating Temperature	°C		0~70		
Storage Temperature	°C		-40~85		
Package	250mm bare fiber	mm	1: f3.0'52	2: f3.0'60	3: f3.0'40
	900mm loose tube		4: f3.5'70	4: f3.5'70	5: f3.5'66
	3mm cable		6: 90'16'9	6: 90'16'9	6: 90'16'9

1. Values referenced without connectors.

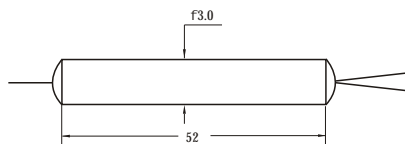
Dimension:


Figure 1. Package for 250mm fiber

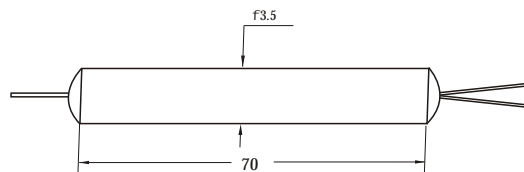


Figure 2. Package for 900mm fiber

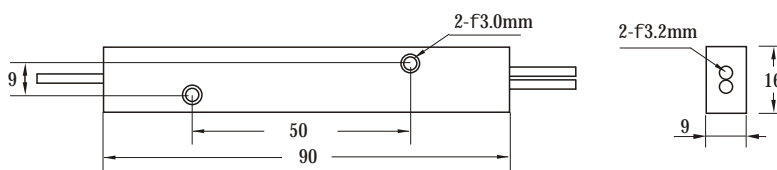


Figure 3. Package for 3mm Cable

Order Information:

SWDC - X - XXXX - XXXX - X - X - XX

A B C D E F

A	Grade	A=Grade 2A ²
		S=Custom
B	Central Wavelength	1315=1310 & 1550nm
		1415=1480 & 1550nm
		9815=980 & 1550nm
C	Fiber Type	250S=250mm bare fiber
		900L=900mm loose tube
		2000=2mm cable
		3000=3mm cable
D	Type	1'2=1'2
		2'2=2'2
E	Package Type	1=Package 1
		2=Package 2
		3=Package 3
		4=Package 4
F	Connector	NN=W/O connector
		XY=With connector ¹

1. Please specify the type of connector when ordering if connector is required.

Mechanical Type	Other	SC	FC	ST	MU	LC
X	0	1	2	3	4	5
Physical Contact Type	Other	PC	UPC	APC		
Y	0	1	2	3		