

[OEPAS-MSP-100]

Mechanical Splicer

Features:

- Low Insertion Loss
- Short Installation Time
- Simple, Easy to Use
- Compact Size
- Apply for Single Mode Fiber and Multimode Fiber



Fig 1. Mechanical splicer

Applications:

- Optical Communication System
- Fiber to the Home
- Local Area Network
- Aerial Buried, Underground Fiber, Optic Cable
- Connect

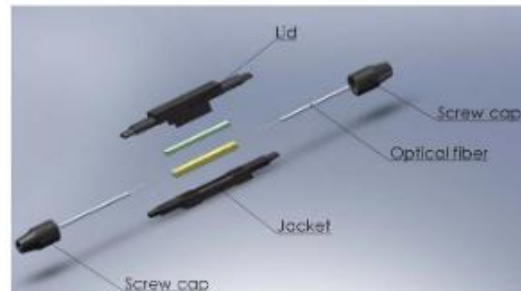


Fig2. Mechanical splicer parts

Product specifications:

Parameters	Unit	OEPAS-MSP-100
Average Insertion Loss	dB	≤ 0.3 (typical 0.1)
Return Loss	dB	≥ 45
Installation Time	s	30
Fiber Coating Size Rang	um	250 or 900
Tensile Strength	N	4
Shelf Life	years	25
Operating Temperature	°C	-40~70
Dimensions	mm	L 40 *W 4 *H 5.4

***Tuning range can significantly vary depending on FBG specifications.*

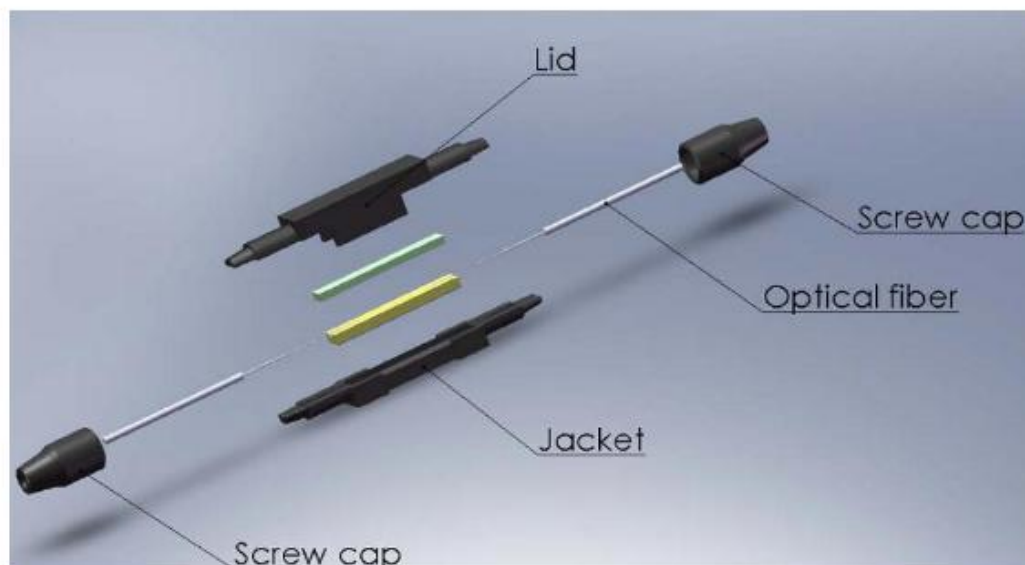
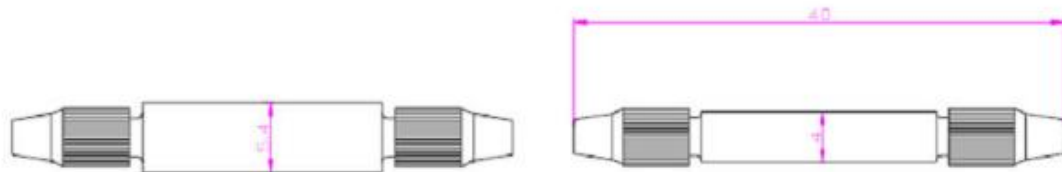
**** Recommended values. The ambient environment temperature can limit the performance, incl. the tuning range.*

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Environmental Specifications:

Parameters	Unit	OEPAS-MSP-100
High Temperature Storage	°C	2000 hours with IL<0.2dB change (85)
Low Temperature Storage	°C	2000 hours with IL<0.2dB change (-40)
Damp Heat Storage	°C	2000 hours with IL<0.2dB change (85%RH,85)
Temperature Cycling	°C	Change IL<0.5dB (-40 ~85 , 500 cycles)
Vibration	Hz	20 to 2000; three axis; 4 min per cycle and 4 cycles per axes, IL< 0.2dB change;two hours in each plane
Water Immersion	dB	Change IL <0.2 (168H@43°C;PH=5.5±0.5)
Thermal Shock	°C	Change IL<0.2 dB (100°C~ 0°C ,10 cycles)

Actual size:



Tools in the Carry Case (sold separately):

Product title	Spec.	Unit	Quantity
Splicer	L40*W4*H5.4	mm- Pcs	5
Fiber Cleaver	KL-21	Pcs	1
Assembly tool	L190mm*W90mm*H40mm	mm- Pcs	1
Fiber Jacket/Buffer Tube Stripper	45-162	Pcs	1
Miller Stripper	FO103-D-250		1
Fiber Needle	Φ125	Mm- Pcs	2
Alcohol Container	WTS-60	Pcs	1
Dust-free paper	4.5×8.5	cm-box	1
White Adhesive Tape	19	mm	1
Kevlar Shears	KS-1	Pcs	1
Carry Case	L415*W328*H165	mm- Pcs	1



Fig3. Tools in carry case