



## **MECHANICAL SPLICE** **FMS-025**

- *For 125um single fiber 250um coat (SM/GI)*
- *Reliable connection in seconds*
- *Connection loss of less than 0.1 dB average*
- *Return loss of more than 50 dB average*
- *L40 x W4 X H4 mm in size*
- *Deployable in existing closures & cabinets*
- *Easy to use assembly tool*

## Product Specifications

### FMS-025

Size	L40 x H4 x W4 mm
Weight	30 grams
Fiber type	125 um single fiber (SM/GI)
Coat size	250 um outer diameter
Insertion Loss	0.4 dB MAX
Return Loss	40 dB MIN

### FMS-025 assembly tool

Size	L138 x H45 x W73 mm
Weight	165 grams



For more information,

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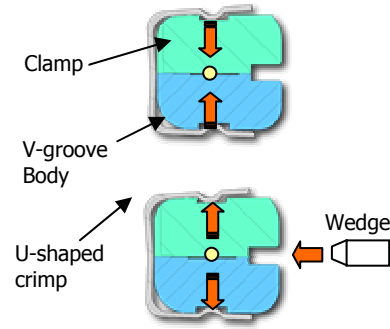
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### Order Information

Splice unit	FMS-025
Assembly tool set (without fiber cleaver)	FMSECOEZ-KIT025-00

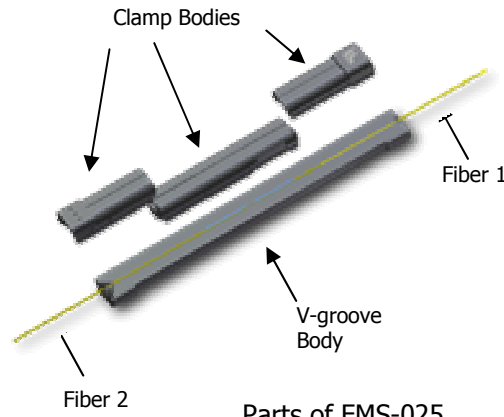


Assembly tool



Assembly method

\*Note – Clamp bodies are shaded differently for better illustration



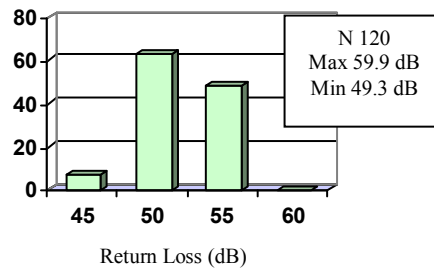
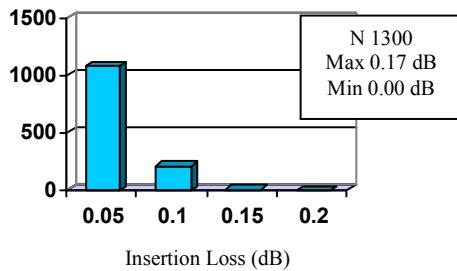
Parts of FMS-025

### Product Performance<sup>1</sup> Table

\*Measurements are based on SM fiber

Description	Standard	dB	Description	Standard	dB
Mean Insertion Loss	IEC 61300-3-4	0.03	Insertion Loss Variance	IEC 61300-3-4	0.02
Mean Return Loss	IEC 61300-3-6	54	Return Loss Variance	IEC 61300-3-6	3

### FMS-025 Performance Chart



### Mechanical characteristics<sup>1</sup>

Axial Pull, 3.0N	IEC 61300-2-6	$\Delta \leq 0.03$	Off axis pull 90°, 0.05N	JIS 5961	$\Delta \leq 0.02$
Vibrate 3 axes 120hr	IEC 61300-2-1	$\Delta \leq 0.02$	Impact test, 100G	IEC 61300-2-1	$\Delta \leq 0.02$

### Environmental performance<sup>1</sup>

Heat cycles - 40°C ~ 70°C	IEC 61300-2-22	$\Delta \leq 0.04$	Humidity cycles - 10°C ~ 65°C, 95% RH	IEC 61300-2-21	$\Delta \leq 0.03$
High temperature, 70°C, 240hr	IEC 61300-2-18	$\Delta \leq 0.04$	Low temperature - 40°C, 240hr	IEC 61300-2-17	$\Delta \leq 0.04$
Heat & humidity test	GR-326-CORE	$\Delta \leq 0.06$	5% salt spray, 24hr	IEC 61300-2-26	$\Delta \leq 0.02$

<sup>1</sup>Disclaimer – Performance data given on this page shall not be used as basis for any form of accusations or claims made to the manufacturer. These data are meant to provide clients better understanding of the products' overall performance.

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