

FIBER OPTIC MECHANICAL SPLICE M1

Telcordia GR-326-CORE, Telcordia GR-1081-CORE, IEC 61300.



Process	Specifications 1310 and 1550nm
Insertion Loss	≤0.2dB
Return Loss	>40dB
Applicable Fiber	Singlemode fiber ITU-T Rec. G.652D or G.657A1
Fiber Diameter	250um
Operating Temperature (°C)	-40°C ~ +75°C

Mechanical and Environmental Characteristics		
Process	Method / Condition	Specifications
Vibration Test	Vibrating the connectors for 2 hours at amplitude of 1.52mm (± 0.75mm) with the frequency sweeping continuously between 10 and 55Hz at a rate of 45Hz per minute, 1 cycle is 4 minute.	Deviation in insertion loss ≤ 0.2dB
Impact Test	Accidentally dropping the connectors from 4 m height, repeat 8 times.	Deviation in insertion loss ≤ 0.2dB
Transmission with applied tensile load	Applying loads using the tensile test facility – 3N load, last for 60 sec.	Deviation in insertion loss ≤ 0.2dB
Thermal Cycle Test	Temperature -40°C to 75°C each cycle, 21 cycles, 168 hr. (7 days).	Deviation in insertion loss ≤ 0.2dB

ORDERING INFORMATION

Fiber

Mechanical Splice	<i>RSMECHSP</i>
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