

SMA IMPACT MOUNT[®] CONNECTOR



Features and Benefits

- NO epoxy or index matching gel
- All-mechanical
- Ideal for high power laser delivery
- High temperature applications
- Uniform heat dissipation, no hot spots
- Hermetically sealed fiber to connector
- NO signal interference from chemicals
- Field installable and user-friendly (two minute installation)
- Stable readings with little variation
- Long-term usage, minimal replacement
- Custom drilled hole sizes available
- Connector tip sizes in 1.2 mm and 1.7 mm

Applications

- Medical
- Industrial
- Data / FTTx
- Mining
- Oil exploration

For special high power applications
Please contact our office for:

High Power Cantilever SMA

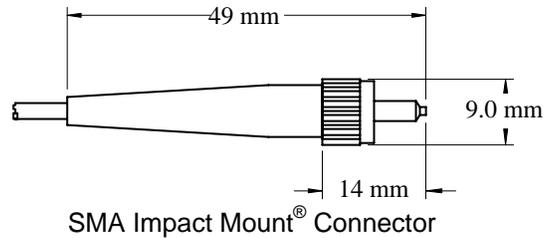
Impact Mount[®] Technology Concept

The mounting process is accomplished in three easy steps:

- Impact Mount[®] tool dynamically compresses the metal ferrule tip around the fiber.
- Crimp buffer at the rear of the connector.
- Polish end of ferrule within 20 seconds.

Note: Additional crimping for Kevlar cables provides further stability and strength.

Physical Dimensions (mm)



Performance Specifications

SMA IMPACT MOUNT[®] CONNECTOR

Fiber O.D. (Nominal)	125 to 2000 micron
Cable O.D. (Nominal)	2mm/3mm & others
Insertion Loss (dB)	0.5 dB typical
Repeatability	<0.5 dB (100) Reconnects
Pull Strength, Minimal: Kevlar/Buffer	40 lb / 2 lb
Temperature cycling: -40C to 80 C	0.3 dB max. change
Connector Materials:	
Ferrule	Metal
Housing	Metal
Mounting time	< 2min
Interconnection Compatibility	Compatible to other SMA connectors

Ordering Information

Valdor Impact Mount[®] Termination kit is required.

<u>P/N</u>	<u>Description</u>
190-4xxx	SMA Impact Mount [®] connector, multimode (1.2mm Tip)
190-6xxx	SMA Impact Mount [®] connector, multimode (1.7mm Tip)
	<u>IMT Universal Field Termination Kit</u>
195-1414	SMA Universal Basic Hand Tool Kit (1.2mm cone)
195-1414-1	SMA Universal Basic Hand Tool Kit (1.7mm cone)
544-8888-x	Accessory Package

Please specify custom drilled hole sizes (xxx), e.g. 190-4650. Pigtail/cable assemblies are also available.

Technical Information

Please contact our office at:

Tel: (510) 293-1212 Fax : (510) 293-9996

E-mail: sales@valdor.com