



Cage Code: 91293

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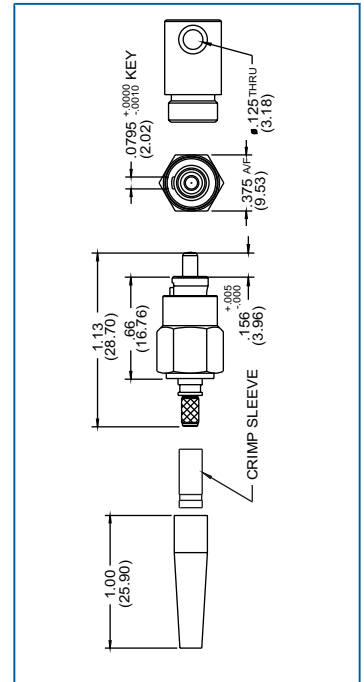
## Features

- Designed, Tested and qualified for applications requiring high-reliability in high shock, vibration, temperature and vacuum environments
- NASA/GSFC qualified for space flight
- TIA/EIA 604 compliant
- Compatible with standard hand and machine polishing equipment
- Materials:
  - Ferrule: Zirconia
  - Nut: 3/8 Hex, Nickel-plated Brass
  - Spring: Music wire
  - Boot: Hytrel, Out-Gassed
  - Dust Cap: Nickel-plated Brass
  - Connector Body: Nickel-plated Brass



## Specifications

- Insertion Loss: 0.15dB typical for Single-mode
- Return Loss: <-45dB typical for PC polish
- Torque: 6.5 IN-LB
- Tensile Loading: >20lbs
- Durability: >500 cycles
- Boot Out-Gassing: Avg value TML<1%, avg value CVCM <0.1% per ASTM E-595-90
- Vibration: 20g's rms, 20-2000Hz, IL 0.1dB max. change, RL 0.5dB max. change<sup>1</sup>
- Storage Temp: -55° to 150° C (may be limited by epoxy)
- Operating Temp: -45° to 110° C



<sup>1</sup> Tested in accordance with GSFC modified TIA FOTP-11 vibration test procedure and continuously monitored during the test for insertion loss. Test configuration consisted of: 100/140 MM fiber, JFOG P/N R2547-3 High-Reliability FC, JFOG P/N R2550-3 High-Reliability, un-sprung FC and FC adapter JFOG P/N R2525-4

## Part Numbers

Description	Application	ID	P/N
FC High-Reliability, Hex	SM	126	R2547-1
FC High-Reliability, Hex	MM	127	R2547-2
FC High-Reliability, Hex	MM	144	R2547-3
FC High-Reliability, Hex	MM	173	R2547-4
FC High-Reliability, Hex	APC	126	R2547-11
FC High-Reliability, Hex	MM	142	R2547-14
FC High-Reliability, Hex	MM	231	R2547-28

## Related Products

FC, High-Reliability, Un-Sprung, Hex	R2550 series
FC, High-Reliability Adapter	R2525-4

Data contained on this specification sheet is believed to be accurate as of the publication date. Johanson reserves the right to make changes deemed appropriate. Consult the factory for current engineering drawings and data.