FC SHORT FORM FACTOR / HIGH RELIABILITY FIBER OPTIC CONNECTORS

Cage Code: 91293

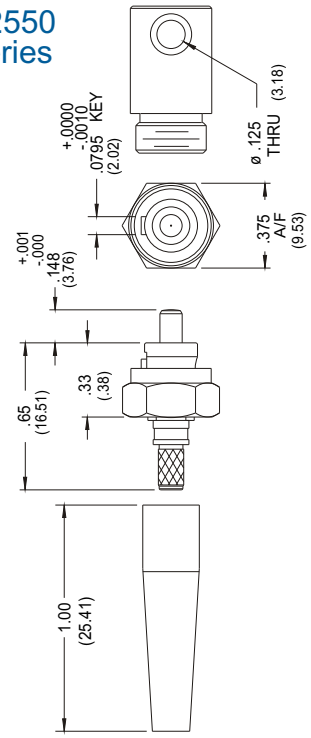
DS1035
0010

Features

- Designed and tested for applications requiring high-reliability in high shock, vibration, temperature and vacuum environments
- NASA/GSFC qualified for space flight
- Small, compact and light weight
- Ideal for connectorization of active device pigtails
- Compatible with FC adapters and connectors
- Compatible with standard polishing equipment
- Materials:

Ferrule:	Zirconia
Nut:	3/8 Hex, Nickel-plated brass
Stem:	Nickel-plated brass
Boot:	Hytrel, Out-Gassed
Dust Cap:	Black delrin with hole for lanyard

R2550 Series



Specifications

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

*Tested in accordance with GSFC modified TIA FOTP-II vibration test procedure and continuously monitored during the test for insertion loss. Test configuration consisted of: 100/140 MM fiber, JMC P/NR2547-3, High-reliability FC, JMC P/N R2550-3 High-reliability, un-sprung, short body FC and JMC FC adapter P/N R2525-4.

Part Numbers

Description	Application	ID (µm)	P/N
FC, High-Reliability, Un-Sprung, Short Body, Hex	SM	126	R2550-1
FC, High-Reliability, Un-Sprung, Short Body, Hex	MM	127	R2550-2
FC, High-Reliability, Un-Sprung, Short Body, Hex	MM	144	R2550-3
FC, High-Reliability, Un-Sprung, Short Body, Hex	MM	173	R2550-4
FC, High-Reliability, Un-Sprung, Short Body, Hex	MM	142	R2550-14

Related Products

FC, High-Reliability, Sprung, Hex	R2547 series
FC, High-Reliability Adapter	R2525-4

Johanson Fiber Optics Group, L.L.C
301 Rockaway Valley Road, Boonton, NJ 07005, Tel: 1-888-800-6618 Fax: 1-973-334-5322
www.johansonfiber.com