

Fiber

SC Connectors

The **SC Multimode Fiber-Optic Connector** is a field mountable, tuneable connector which utilizes a domed zirconia ferrule for fiber alignment, and push-pull hardware that provides easier connections as well as high optical stability. The connector can be used in high-density applications while not being affected by axial cable loads. The cable is crimped to the outer hardware and therefore prevents momentary disconnect when axial load is placed on the cable. Available in multimode and singlemode versions. The un-tuned SC connector has a higher dB loss because the connector has not calibrated to reduce the dB loss.

The **P600A-Z-125** and **P6200A-Z-125** can be mounted on 3.0 mm cordage only while the **P6001A-Z-125** and **P6201A-Z-125** mounts on the 0.9 mm buffered fiber.

SC Family

SC Connectors



Figure 154
P6200A SC
Connector

Physical Specifications

Length: 5 cm (1.96 in)

Loss Repeat (200 reconnects): < 0.3 dB

Min. Axial Load: Cable: 13.6 kg; Buffer: 0.9 kg (1.98 lb)

Temperature Stability (-40 to 75 (C)): < 0.3 dB increase

Optical Specifications

Average Loss MM: 0.3 dB

Average Loss SM: 0.2 dB (Tuned)

Average Loss SM: 0.3 dB (Untuned)

Product	Material ID	OD.	Fiber Type	Packaging
*P6200A-Z-125	700007040	3.0 mm	MM	1/Pkg
P6201A-Z-125	700007024	900 µm	MM	1/Pkg
*P6000A-Z-125	700006984	3.0 mm	SM	1/Pkg
P6001A-Z-125	700006976	900 µm	SM	1/Pkg
P6201A-Z-125-100	700004278	900 µm	MM	100/Pkg
P6000A-Z-125-100	700004286	3.0 mm	MM	100/Pkg

*These connector kits can be used on 1.6mm cordage or mini-breakout cable with the addition of tool kit D-182918 and 500B tool as shown in the Tools Chapter.