

# TFOCA GenX™ 90° Plug Connector



GenX 90° Plug

STRAN's TFOCA GenX™ 90° Plug Connector is designed for mounting applications where the installer has limited workspace or the connection needs to be re-routed close to equipment. One major advantage of this connector is its short length of 3.20" making it ideal for cabinet or equipment mounted fiber connections.

Some of the applications for STRAN's TFOCA GenX™ 90° Plug connector include:

- Cabinet mounted communication systems
- Deployable military tactical systems
- Harsh environment video/data transmission

- Outdoor fiber optic connections
- Homeland security and surveillance
- Deployable broadcast networks
- Saves 3" over straight version

Compatible with legacy systems, some of the key features of this connector include:

- Field demountable front inserts for improved maintainability
- Both singlemode and multimode fiber are compatible in the same connector without part sub-component substitution
- Less than 3.20" length without dustcaps
- PC polish on the zirconia ferrules
- TFOCA GenX™ 90° Connector is intermateable to the soon to be released MIL-PRF-83526/16 specification
- Keyed and color annotated front insert caps available
- Captured split alignment sleeves for enhanced IL performance
- Zinc/Nickel plating, other platings and materials available upon request
- ISO 9001:2000 since August 2003
- AS9100 since September 2006

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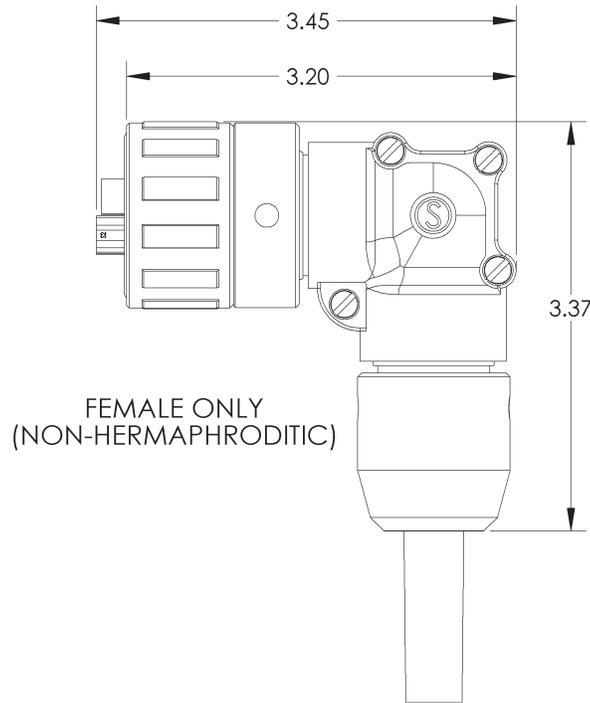
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## Connector Performance Criteria:

Optical Insertion Loss	9/125: 0.75 dB <sub>max</sub> , 0.35 dB <sub>typ</sub> 62.5/125: 0.75 dB <sub>max</sub> , 0.14 dB <sub>typ</sub>
Return Loss	>30 dB MMF, >40 dB SMF with PC polish
Mating Durability	2000 cycles per EIA-455-21
Vibration	10 g's per EIA-455-11
Physical Shock	per EIA-455-14, test condition A
Thermal Shock	-62°C to +85°C per EIA-455-71, cond. B
Temperature Life	250 hours at 85°C per EIA-455-4
Corrosion Resistance	EIA-455-16, test condition C
Humidity	10 cycles per EIA-455-5
Fluid Immersion	1 meter, per EIA-455-12
Crush Resistance	450 lbs, per EIA-455-26
Cable Retention	400 lbs, per EIA-455-6
Cable Seal Flexing	Per EIA-455-1
Impact	EIA-455-2