

## CONECTOR ST 230 $\mu$ m



### SPECIFICATIONS

#### Materials

|   |  |
|---|--|
| Body/Hardware                           | Nickel Plate Zinc  |
| Coupling Mechanism                      | Die-Cast Zinc, Nickel Plated   |
| Ferrule                                 | Zirconia Ceramic or Stainless Alloy  |
| Strain Relief Boot                      | Thermoplastic Elastomer  |
| Ferrule: Hole Diameter                  |  |
| Singlemode                              | 126 $\mu$ m + 1/-0 (standard)  |
| Multimode                               | 127 $\mu$ m + 2/-1<br>140 $\mu$ m + 4/-0<br>230 $\mu$ m + 10/-0<br>1000 $\mu$ m + 30/-10 |
| Ferrule Diameter                        | 2.5mm + 0/0.003  |
| Back Shell Cable Acceptance             |  |
| Max Diameter                            | 3.0mm Cable  |
| Min. Diameter                           | 0.9mm Buffered Fiber   |
| Tensile Strength (Crimped to 3mm Cable) | 20Lbs. Before Pull Out   |

#### Environmental

|                        |  |
|------------------------|--|
| Temperature Cycling    | -40° to +80° C, 40 Cycles<br>≤0.3dB Change |
| High Temperature       | 80° C for 96 Hrs.<br>≤0.3dB Change         |
| Humidity               | 60° C at 95% RH, 96 Hrs.<br>=0.3dB Change  |
| Vibration (Mated Pair) | 10-55 Hz, 1.5mm P to P<br>=0.3dB Change    |
| Mating Durability      | 200 Total, Clean every 25<br>=0.3dB Change |

#### Intermatibility

|          |                     |
|----------|---------------------|
| Protocol | TIA 604-2 (FOCUS-2) |
|----------|---------------------|

### OPTICAL PERFORMANCE

| Ferrule Type        | Fiber Hole Diameter (microns) | Attenuation Typical | Operating           |
|---------------------|-------------------------------|---------------------|---------------------|
|                     |                               |                     | Max Temperature (C) |
| Zirconia (SM)       | 126 $\mu$ m                   | ≤0.2dB              | 0.5dB -40 to +85    |
| Zirconia (MM)       | 127 $\mu$ m                   | ≤0.3dB              | 0.6dB -40 to +85    |
|                     | 140 $\mu$ m                   | ≤0.4dB              | 0.6dB -40 to +85    |
| Stainless Alloy(MM) | 127 $\mu$ m                   | ≤0.5dB              | 1.0dB -40 to +85    |
|                     | 140 $\mu$ m                   | ≤0.5dB              | 1.0dB -40 to +85    |
|                     | 230 $\mu$ m                   | ≤0.75dB             | 1.5dB -40 to +85    |
|                     | 1000 $\mu$ m                  | ≤1.0dB              | NA -40 to +85       |

### ORDERING INFORMATION

| Part Number         | Fiber Size   | Type (3mm Boots) |
|---------------------|--------------|------------------|
| F1-0069             | 126 $\mu$ m  | Singlemode       |
| F1-0066             | 127 $\mu$ m  | Multimode        |
| F1-0061             | 127 $\mu$ m  | Multimode        |
| F1-0063 (stainless) | 140 $\mu$ m  | Multimode        |
| F1-0067 (ceramic)   | 140 $\mu$ m  | Multimode        |
| F1-0064             | 230 $\mu$ m  | Multimode        |
| F1-0065             | 1000 $\mu$ m | Multimode        |

#### Type (2mm Boots)

|           |             |           |
|-----------|-------------|-----------|
| F1-006620 | 127 $\mu$ m | Multimode |
|-----------|-------------|-----------|

\* For 900 $\mu$ m boots add - 900 to part #