Optical Terminators are used to terminate unused fiber connector ports in fiber optic systems so optical terminators unwanted reflections are not introduced back into the system. It is used in fiber optic network to install on the possibly unused ports. In fiber optic network there may be unused ports in the whole system, such unused ports will create unwanted return loss and degrade the whole network performance.

**Structure of optical terminator**

Optical Terminators are functional devices using Metal-Ion Doped Fibers. These products prevent the reflection of light that are present at open end systems. By using Metal-Ion Doped Fibers, these optical terminators convert the optical power into heat and the power is attenuated inside the devices. The structures of the plug type optical terminators are simple and the power-proof and performance stability is superior.

**Plug type optical terminator**

Plug type optical terminators are used to terminate dark fiber port on the fiber optic component. Their ceramic ferrule is polished with an angled or non-angled end face to reduce unwanted reflections from open ports. These optical terminator also provide improved personal safety over termination methods. Plug type optical terminator can also be used with fiber adaptors at the male plug end, They can be easily installed into panel mount receptacles to significantly reduce reflections from the fiber face.

LFO provide all types of plug type optical terminator including SC, FC, ST, LC and MU type connector with high quality Ceramic (Zirconia) Ferrules.
# Optical Terminator

**Features**
- Optical performance 100% factory tested
- Easy installation as plug type
- Precision ceramic ferrule with end face geometry per IEC proposal.
- Adapt attenuation point to create termination effect
- Stability against changes in external environmental condition such as dew condensation.

**Applications**
- Telecommunication networks
- Active device termination
- Instrumentation
- CATV Networks
- EDFA

## Specifications

<table>
<thead>
<tr>
<th>ITEM</th>
<th>VALUES</th>
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## Optical Terminator ordering information

<table>
<thead>
<tr>
<th>TN</th>
<th>XX</th>
<th>X</th>
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</tr>
</thead>
</table>
- **Connector type**
  - 11-ST
  - 21-FC
  - 31-SC
  - 41-LC
  - 51-MU
  - XX-Others, please specify
- **Fiber type**
  - 1-9/125um(Single Mode)
  - 2-50/125um(Multi Mode)
  - 3-62.5/125um(Multi Mode)
- **Wavelength**
  - 31-1310 nm
  - 55- 1550 nm

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sales@fiberoptic.com.tw
3F., No.135, Dasyue Rd., Sansia Township, Taipei County 23741, Taiwan (R.O.C.)
**LFO Optical Terminator Series**

**ST Optical Terminator**
The ST plug-type optical terminations are used to terminate dark fiber ports on fiber optic components. It uses 2.5mm diameter ceramic ferrule with PC end-face to reduce un-wanted reflections from open ports. These terminations also provide improved personnel safety over other termination methods.

**FC Optical Terminator**
The FC plug-type optical terminations are used to terminate dark fiber ports on fiber optic components. It uses 2.5mm diameter ceramic ferrule with PC or APC end-face to reduce un-wanted reflections from open ports. These terminations also provide improved personnel safety over other termination methods.

**SC Optical Terminator**
The SC plug-type optical terminations are used to terminate dark fiber ports on fiber optic components. It uses 2.5mm diameter ceramic ferrule with PC or APC end-face to reduce un-wanted reflections from open ports. These terminations also provide improved personnel safety over other termination methods.

**LC Optical Terminator**
The LC plug-type optical terminations are used to terminate dark fiber ports on fiber optic components. It uses 1.25mm diameter ceramic ferrule with PC or APC end-face to reduce un-wanted reflections from open ports. These terminations also provide improved personnel safety over other termination methods.

**MU Optical Terminator**
The LC plug-type optical terminations are used to terminate dark fiber ports on fiber optic components. It uses 1.25mm diameter ceramic ferrule with PC end-face to reduce un-wanted reflections from open ports. These terminations also provide improved personnel safety over other termination methods.
ST Optical Terminator

Features

- Optical performance 100% factory tested
- Easy installation as plug type
- Precision ceramic ferrule with end-face geometry per IEC proposal
- Adapt attenuation point to creating termination effect
- Stability against changes in external environmental condition

Applications

- Telecommunication Networks
- Instrumentation
- Active device termination
- CATV Networks
- EDFA

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**Features**
- Optical performance 100% factory tested
- Easy installation as plug type
- Precision ceramic ferrule with end-face geometry per IEC proposal
- Adapt attenuation point to creating termination effect
- Stability against changes in external environmental condition

**Applications**
- Telecommunication Networks
- Instrumentation
- Active device termination
- CATV Networks
- EDFA

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SC Optical Terminator

Features
- Optical performance 100% factory tested
- Easy installation as plug type
- Precision ceramic ferrule with end-face geometry per IEC proposal
- Adapt attenuation point to creating termination effect
- Stability against changes in external environmental condition

Applications
- Telecommunication Networks
- Instrumentation
- Active device termination
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LC Optical Terminator

Features
- Optical performance 100% factory tested
- Easy installation as plug type
- Precision ceramic ferrule with end-face geometry per IEC proposal
- Adapt attenuation point to creating termination effect
- Stability against changes in external environmental condition

Applications
- Telecommunication Networks
- Instrumentation
- Active device termination
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MU Optical Terminator

Features
- Optical performance 100% factory tested
- Easy installation as plug type
- Precision ceramic ferrule with end-face geometry per IEC proposal
- Adapt attenuation point to creating termination effect
- Stability against changes in external environmental condition

Applications
- Telecommunication Networks
- Instrumentation
- Active device termination
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