



Leading Optical Innovations

**Product Description**

Termination fiber is a coreless silica fiber. It is a useful device for eliminating back reflections from unused branches of a multi-port device as well as performing return loss measurements.

A termination of better than 65 dB is achieved by splicing approximately 0.25 meters of this fiber to the desired component. A fusion splice also provides higher reliability and long-term stability over conventional termination methods.

There is excellent repeatability since there is no potential for subsurface damage, fiber breakage, or fiber contamination as with polished or angled cleaves. A quality termination is possible for all fiber designs including high delta fibers such as erbium-doped fiber.

**Features and Benefits**

- Return loss >65 dB (for 0.25 m of termination fiber)
- Useful for all fiber designs
- High reliability and long-term stability
- Patented termination method (U.S. Patent No. 5,263,103)

**Related Products & Capabilities**

- Microstructure Fibers
- GRIN fiber lenses

Non-Standard

Ask us about options available for these fibers:

- Complete MicroStructure Fiber Assemblies**
- Termination**

To order items on this spec sheet, please contact our facility in:

- Somerset, New Jersey  
1-732-748-7402
- or by email inquiry to:  
Info@SpecialtyPhotonics.com

**Fiber Specifications**

**Physical Properties**

Cladding diameter	125 ± 2.5 µm
Coating diameter	250 ± 15 µm

**Mechanical and Testing Data**

Proof test level	>100 kpsi
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**Order by Part Number**

**552 HPWR 040**

➤ **Replaces Old Part Number  
107 567 661**



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**OFS Specialty Photonics Division**

55 Darling Drive, Avon, CT 06001  
25 Schoolhouse Road, Somerset, NJ 08873  
Priorparken 680 DK-2605 Broendby, Denmark

**www.SpecialtyPhotonics.com**

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