

Introduction:

Fiberdyne presents the OTDR (Optical Time Domain Reflectometer) Pulse Suppression Box. This device is also known as a “dead-zone eliminator.” This box is a valuable addition to a fiber-optic tool kit. It is a durable replacement for spooled, fiber-optic cable assemblies, which quickly wear out from high usage.



Conceptual Usage:

OTDR pulses must traverse a minimum distance before the OTDR can take meaningful measurements. This “pulse suppression” is served by Fiberdyne's OTDR Pulse Suppression box. Insert the Pulse Suppression Box between the OTDR and the subject fiber link. The Pulse Suppression box provides the extra fiber length, required for near-end OTDR measurements, such as insertion loss and reflectance.

Features:

- Rugged Design
- Dust/water resistant packaging for long-term durability
- Integral fiber management of pigtails
- Manufacturer Direct Savings

Standard Configurations:

- Fiber-management hubs and connector-capture for storage
- Pigtailed fiber connections
- Corning fiber (typical)
- Packaging: injection-molded, gasket-sealed, carry case
 - Rigid molded-in handle
 - Snap latches on front
 - Full length hinge with stainless-steel hinge pins
 - Standard color: black
 - Submersion Test Depth: 1 meter
- Materials:
 - High impact ABS
 - Silicone rubber o-ring
 - Aluminum internal mounting plate with Nylon fiber management

Options:

- Single-mode or Multimode configurations
- Pulse-suppression length: 500 or 1100 meters
- Connectors: SC, ST, FC, LC
- Miniature module version with bulkhead adapters is available
- Customization is available for special applications

Specifications:

Item Description	Unit	Value
Wavelength, Input/Output – Multimode – Singlemode	nm	830-870, 1290-1340 1260-1360, 1460-1620
Optical Power, Max.	mW	300
Temperature – Operating *	°C	-40 to +75
Temperature – Storage *	°C	-40 to +85
Weight (typical)	kg (lbs)	0.9 (2.0)
Package Size	cm (inch)	22.4 W x 20.1 D x 8.6 H (8.8 W x 7.9 D x 3.4 H)

Singlemode Pulse Suppression Box

900-000-100	Singlemode Pulse Suppression Box, ST/UPC Connectors, 500 Meters
900-000-101	Singlemode Pulse Suppression Box, FC/UPC Connectors, 500 Meters
900-000-102	Singlemode Pulse Suppression Box, SC/UPC Connectors, 500 Meters
900-000-103	Singlemode Pulse Suppression Box, FC/APC Connectors, 500 Meters
900-000-104	Singlemode Pulse Suppression Box, SC/APC Connectors, 500 Meters
900-000-105	Singlemode Pulse Suppression Box, LC/UPC Connectors, 500 Meters
900-000-106	Singlemode Pulse Suppression Box, LC/APC Connectors, 500 Meters
900-000-200	Singlemode Pulse Suppression Box, ST/UPC Connectors, 1100 Meters
900-000-201	Singlemode Pulse Suppression Box, FC/UPC Connectors, 1100 Meters
900-000-202	Singlemode Pulse Suppression Box, SC/UPC Connectors, 1100 Meters
900-000-203	Singlemode Pulse Suppression Box, FC/APC Connectors, 1100 Meters
900-000-204	Singlemode Pulse Suppression Box, SC/APC Connectors, 1100 Meters
900-000-205	Singlemode Pulse Suppression Box, LC/UPC Connectors, 1100 Meters
900-000-206	Singlemode Pulse Suppression Box, LC/APC Connectors, 1100 Meters

Custom Configurations Available

62.5/125 Multimode Pulse Suppression Box

Part Number	Description
960-110-500	62.5/125 Multimode Pulse Suppression Box, ST/UPC Connectors, 500 Meters
960-770-500	62.5/125 Multimode Pulse Suppression Box, FC/UPC Connectors, 500 Meters
960-660-500	62.5/125 Multimode Pulse Suppression Box, SC/UPC Connectors, 500 Meters
960-LL0-500	62.5/125 Multimode Pulse Suppression Box, LC/UPC Connectors, 500 Meters

Custom Configurations Available

50/125 OM3 Multimode Pulse Suppression Box

Part Number	Description
930-660-500	50/125 OM3 Multimode Pulse Suppression Box, SC/UPC Connectors, 500 Meters
930-LL0-500	50/125 OM3 Multimode Pulse Suppression Box, LC/UPC Connectors, 500 Meters

Custom Configurations Available

50/125 OM4 Multimode Pulse Suppression Box

Part Number	Description
940-660-500	50/125 OM4 Multimode Pulse Suppression Box, SC/UPC Connectors, 500 Meters
940-LL0-500	50/125 OM4 Multimode Pulse Suppression Box, LC/UPC Connectors, 500 Meters

Custom Configurations Available