

## Mini-OTE 300 Series: New Product

### Global Communication

CommScope is pleased to introduce the new Optical Termination Enclosure, Mini-OTE 300 series. This new series is being launched as part of the new generation OTE portfolio, inclusive of four series: OTE2, Mini-OTE 200, Mini-OTE 300 and Mini-OTE 400, all available globally. More than the versatility of each series, by creating a comprehensive OTE portfolio, CommScope offers customers total flexibility to choose the right series that works best in their specific application.

This product is a unique solution for splicing, termination and pass-through cable requirements in fiber-to-the-x (FTTX) architectures. In addition, the product can be configured with optical taps. Featuring pre-connectorized hardened full-size or mini-size DLX® adapter ports, the Mini-OTE 300 accelerates fiber deployment for new subscriber activation and service, minimizing labor costs.

The Mini-OTE 300 ensures seamless integration into existing infrastructure. Sealed in a gasketed, hardened plastic enclosure, the Mini-OTE 300 provides reliable, uninterrupted performance in any outside plant environment. Field-friendly with accessible design features, the Mini-OTE 300 terminals can be installed in pedestal, hand hole, pole and strand mount applications for fast and easy integration into the network for residential and commercial services.



- Available with 2, 4, 6, 8 or 12 adapter ports, full-size or mini-size DLX® hardened adapters
- Terminal is re-enterable, swinging open on a hinge for quick access and easy service/maintenance
- Four gel-sealed input ports for express and branch-off cables for butt installations
- Gel sealed input port for express and branch-off cables for in-line installations
- Designed for a variety of cables, including loose buffer tube standard (72F) and Micro (144F), Flat Drop with and without trace wire, central core tube ribbon shielded and unshielded and round armored up to 0.50 inch/12.7mm diameter cable. Provisions are provided for shielded grounding. Fiber types include single fiber 250 micron and ribbon.
- Units are shipped with two factory integrated splice trays and a fiber storage tray; slack storage is available beneath the splicing trays
- Accommodates CommScope's field installable splitters, compact CCWDMs and taps

### Specifications:

Insertion Loss (against reference connector)	≤ 0.35 dB
Return Loss	≥ 60 dB
Retention Force (connector/adaptor)	450 N
Max Number of Splices without Optical Component	40
Max Number of Splices with Splitter	34
Max Number of Splices with CCWDM	26

Mini-OTE 300 with Splitter	1:2 FBT Splitter	1:4 Planar Splitter	1:8 Planar Splitter
Attenuation	3.7 dB max	7.1 dB max	10.4 dB max
Return Loss	55.0 dB min	55.0 dB min	55.0 dB min
Uniformity	0.7 dB max	0.7 dB max	1.0 dB max

Mini-OTE 300 with CCWDM Operating Wavelength Range 1260-1625nm	4 Channel CCWDM	8 Channel CCWDM
CCWDM Port Channel IL	1.0 dB max	1.2 dB max
Return Loss	45 dB min	45 dB min
CCWDM Port Channel Uniformity	< 1 dB	< 1 dB

### Ordering Information: mini-OTE 300 with splitters and integrated CCDWM

Description	Detailed Product Description	# Trays	With Splitter	With CCWDM	MOQ/ Order Increment
OTE-02MH-NN-EXTG03	Mini-OTE, 2 PORT, full-size No Splitter, External Mounting W/Ground	3	N/A	N/A	1
OTE-02MX-NN-EXTG03	Mini-OTE, 2 PORT, mini-size DLX®, No Splitter, External Mounting W/Ground	3	N/A	N/A	1
OTE-04MH-NN-EXTG03	Mini-OTE, 4 PORT, full-size, No Splitter, External Mounting W/Ground	3	N/A	N/A	1
OTE-04MX-NN-EXTG03	Mini-OTE, 4 PORT, mini-size DLX®, No Splitter, External Mounting W/Ground	3	N/A	N/A	1

Description	Detailed Product Description	# Trays	With Splitter	With CCWDM	MOQ/ Order Increment
OTE-06MH-NN-EXTG03	Mini-OTE, 6 PORT, full-size, No Splitter, External Mounting W/Ground	3	N/A	N/A	1
OTE-06MX-NN-EXTG03	Mini-OTE, 6 PORT, mini-size DLX <sup>®</sup> , No Splitter, External Mounting W/Ground	3	N/A	N/A	1
OTE-08MH-NN-EXTG03	Mini-OTE, 8 PORT, full-size, No Splitter, External Mounting W/Ground	3	N/A	N/A	1
OTE-08MX-NN-EXTG03	Mini-OTE, 8 PORT, mini-size DLX <sup>®</sup> , No Splitter, External Mounting W/Ground	3	N/A	N/A	1
OTE-12MH-NN-EXTG03	Mini-OTE, 12 PORT, full-size, No Splitter, External Mounting W/Ground	3	N/A	N/A	1
OTE-12MX-NN-EXTG03	Mini-OTE, 12 PORT, mini-size DLX <sup>®</sup> , No Splitter, External Mounting W/Ground	3	N/A	N/A	1
OTE-02MH-12-EXTG03	Mini-OTE, 2 PORT, full-size, W/Splitter, External Mounting W/Ground	3	1:2 FBT	N/A	1
OTE-02MX-12-EXTG03	Mini-OTE, 2 PORT, mini-size DLX <sup>®</sup> , W/Splitter, External Mounting W/Ground	3	1:2 FBT	N/A	1
OTE-04MH-14-EXTG03	Mini-OTE, 4 PORT, full-size, W/Splitter, External Mounting W/Ground	3	1:4 Planar	N/A	1
OTE-04MX-14-EXTG03	Mini-OTE, 4 PORT, mini-size DLX <sup>®</sup> , W/Splitter, External Mounting W/Ground	3	1:4 Planar	N/A	1
OTE-08MX-18-EXTG03	Mini-OTE, 8 PORT, mini-size DLX <sup>®</sup> , W/Splitter, External Mounting W/Ground	3	1:8 Planar	N/A	1
OTE-08MH-18-EXTG03	Mini-OTE, 8 PORT, full-size, W/Splitter, External Mounting W/Ground	3	1:8 Planar	N/A	1

Description	Detailed Product Description	# Trays	With Splitter	With CCWDM	MOQ/ Order Increment
OTE-04MX-4C-471G03	Mini-OTE, 4 PORT, mini-size DLX®, W/CCWDM, External Mounting W/Ground	3	N/A	4CH (1471-1531)	1
OTE-08MX-8C-471G03	Mini-OTE, 8 PORT, mini-size DLX®, W/CCWDM, External Mounting W/Ground	3	N/A	8CH (1471-1611)	1

**Mini-OTE 300 with optical taps**

The Mini-OTE 300 series can be configured with optical taps. Optical tap architecture offers a cost-optimized solution for rural or low density FTTH deployment.



**Specifications:**

Drop Value	Thru Loss MIN (dB)	Thru Loss MAX (dB)	Thru Loss Typical (dB)	Tap Drop MIN Loss (dB) *	Tap Drop MAX Loss (dB) *	Tap Drop Typical Loss (dB) *
<b>2 Drop Port Taps</b>						
4T	N/A	N/A	n/a	3	3.7	3.36
5	4.6	6	5.36	4.45	5.8	5.18
7	3	4.1	3.58	5.3	7	6.23
8	1.9	2.7	2.32	6.6	8.5	7.65
10	1.35	2	1.69	7.7	9.8	8.88
12	0.8	1.3	1.06	9.3	11.6	10.60
14	0.6	1	0.80	10.5	13	11.93
15	0.38	0.8	0.60	11.7	15	13.66

Drop Value	Thru Loss MIN (dB)	Thru Loss MAX (dB)	Thru Loss Typical (dB)	Tap Drop MIN Loss (dB) *	Tap Drop MAX Loss (dB) *	Tap Drop Typical Loss (dB) *
17	0.2	0.6	0.40	13.1	17.3	15.69
19	0.2	0.5	0.35	14.1	18.2	16.62
21	0.1	0.4	0.25	15.6	21.7	19.64

### Ordering Information: Mini-OTE 300 with optical taps

Drop Value	Thru Loss MIN (dB)	Thru Loss MAX (dB)	Thru Loss Typical (dB)	Tap Drop MIN Loss (dB) *	Tap Drop MAX Loss (dB) *	Tap Drop Typical Loss (dB) *
<b>4 Drop Port Taps</b>						
7T	n/a	n/a	n/a	6.3	7.1	6.72
9	4.6	6	5.36	7.75	9.2	8.54
10	3	4.1	3.58	8.6	10.4	9.59
11	1.9	2.7	2.32	9.9	11.9	11.01
13	1.35	2	1.69	11	13.2	12.24
15	0.8	1.3	1.06	12.6	15	13.96
17	0.6	1	0.80	13.8	16.4	15.29
19	0.38	0.8	0.60	15	18.4	17.02
21	0.2	0.6	0.40	16.4	20.7	19.06
<b>8 Drop Port Taps</b>						
11T	n/a	n/a	n/a	9.3	10.4	9.88
12	4.6	6	5.36	10.75	12.5	11.71
14	3	4.1	3.58	11.6	13.7	12.78
15	1.9	2.7	2.32	12.9	15.2	14.20

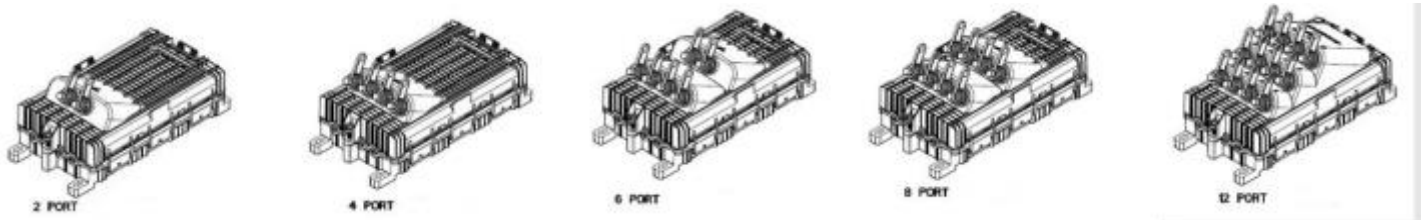
Drop Value	Thru Loss MIN (dB)	Thru Loss MAX (dB)	Thru Loss Typical (dB)	Tap Drop MIN Loss (dB) *	Tap Drop MAX Loss (dB) *	Tap Drop Typical Loss (dB) *
17	1.35	2	1.69	14	16.5	15.43
19	0.8	1.3	1.06	15.6	18.3	17.16
21	0.6	1	0.80	16.8	19.7	18.49

\* Tap losses include 0.1 dB fiber routing and splice loss. Typical values are min/max power average in dB. Connector losses are not included in Loss values.

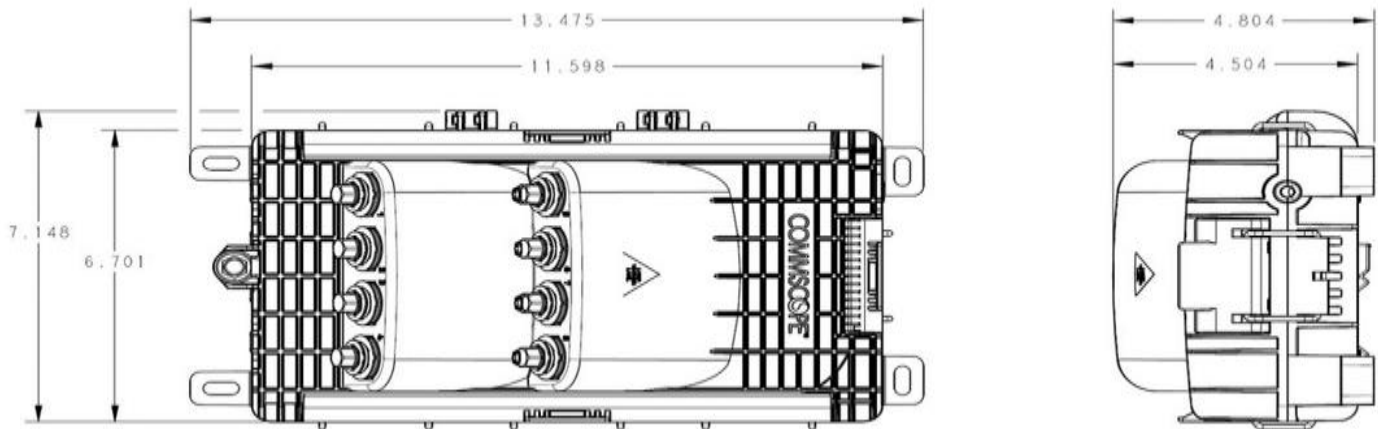
Tap value	Part number	Product Description
<b>Mini-OTE 300 with 2 Drop Tap, full size adapter</b>		
4 dB Terminating	OTE-04MH-12-04TG03	Mini-OTE 300 with Optical Tap, 4-port, 4dB Terminating, 2 Output Ports, Tap Input Port, External Mounting with Ground Plug
5 dB	OTE-04MH-12-050G03	Mini-OTE 300 with Optical Tap, 4-port, 5dB, 2 Output Ports, Tap Input Port, Tap Through Port, External Mounting with Ground Plug
7 dB	OTE-04MH-12-070G03	Mini-OTE 300 with Optical Tap, 4-port, 7dB, 2 Output Ports, Tap Input Port, Tap Through Port, External Mounting with Ground Plug
8 dB	OTE-04MH-12-080G03	Mini-OTE 300 with Optical Tap, 4-port, 8dB, 2 Output Ports, Tap Input Port, Tap Through Port, External Mounting with Ground Plug
10 dB	OTE-04MH-12-100G03	Mini-OTE 300 with Optical Tap, 4-port, 10dB, 2 Output Ports, Tap Input Port, Tap Through Port, External Mounting with Ground Plug
12 dB	OTE-04MH-12-120G03	Mini-OTE 300 with Optical Tap, 4-port, 12dB, 2 Output Ports, Tap Input Port, Tap Through Port, External Mounting with Ground Plug
14 dB	OTE-04MH-12-140G03	Mini-OTE 300 with Optical Tap, 4-port, 14dB, 2 Output Ports, Tap Input Port, Tap Through Port, External Mounting with Ground Plug
15 dB	OTE-04MH-12-150G03	Mini-OTE 300 with Optical Tap, 4-port, 15dB, 2 Output Ports, Tap Input Port, Tap Through Port, External Mounting with Ground Plug
17 dB	OTE-04MH-12-170G03	Mini-OTE 300 with Optical Tap, 4-port, 17dB, 2 Output Ports, Tap Input Port, Tap Through Port, External Mounting with Ground Plug
19 dB	OTE-04MH-12-190G03	Mini-OTE 300 with Optical Tap, 4-port, 19dB, 2 Output Ports, Tap Input Port, Tap Through Port, External Mounting with Ground Plug
21 dB	OTE-04MH-12-210G03	Mini-OTE 300 with Optical Tap, 4-port, 21dB, 2 Output Ports, Tap Input Port, Tap Through Port, External Mounting with Ground Plug

<b>Mini-OTE 300 with 4 Drop Tap, with full size adapter</b>		
7 dB Terminating	OTE-08MH-14-07TG03	Mini-OTE 300 with Optical Tap, 8-port, 7dB Terminating, 4 Output Ports, Tap Input Port, External Mounting W/Ground Plug
9 dB	OTE-08MH-14-090G03	Mini-OTE 300 with Optical Tap, 8-port, 9dB, 4 Output Ports, Tap Input Port, Tap Through Port, External Mounting W/Ground Plug
10 dB	OTE-08MH-14-100G03	Mini-OTE 300 with Optical Tap, 8-port, 10dB, 4 Output Ports, Tap Input Port, Tap Through Port, External Mounting W/Ground Plug
11 dB	OTE-08MH-14-110G03	Mini-OTE 300 with Optical Tap, 8-port, 11dB, 4 Output Ports, Tap Input Port, Tap Through Port, External Mounting W/Ground Plug
13 dB	OTE-08MH-14-130G03	Mini-OTE 300 with Optical Tap, 8-port, 14dB, 4 Output Ports, Tap Input Port, Tap Through Port, External Mounting W/Ground Plug
15 dB	OTE-08MH-14-150G03	Mini-OTE 300 with Optical Tap, 8-port, 15dB, 4 Output Ports, Tap Input Port, Tap Through Port, External Mounting W/Ground Plug
17 dB	OTE-08MH-14-170G03	Mini-OTE 300 with Optical Tap, 8-port, 17dB, 4 Output Ports, Tap Input Port, Tap Through Port, External Mounting W/Ground Plug
19 dB	OTE-08MH-14-190G03	Mini-OTE 300 with Optical Tap, 8-port, 19dB, 4 Output Ports, Tap Input Port, Tap Through Port, External Mounting W/Ground Plug
21 dB	OTE-08MH-14-210G03	Mini-OTE 300 with Optical Tap, 8-port, 21dB, 4 Output Ports, Tap Input Port, Tap Through Port, External Mounting W/Ground Plug
<b>Mini-OTE 300 with 8 Drop Tap, with full size adapter</b>		
7 dB Terminating	OTE-12MH-18-11TG03	Mini-OTE 300 with Optical Tap, 12-port, 11dB Terminating, 8 Output Ports, Tap Input Port, External Mounting W/Ground Plug
12 dB	OTE-12MH-18-120G03	Mini-OTE 300 with Optical Tap, 12-port, 12dB, 8 Output Ports, Tap Input Port, Tap Through Port, External Mounting W/Ground Plug
14 dB	OTE-12MH-18-140G03	Mini-OTE 300 with Optical Tap, 12-port, 14dB, 8 Output Ports, Tap Input Port, Tap Through Port, External Mounting W/Ground Plug
15 dB	OTE-12MH-18-150G03	Mini-OTE 300 with Optical Tap, 12-port, 15dB, 8 Output Ports, Tap Input Port, Tap Through Port, External Mounting W/Ground Plug
17 dB	OTE-12MH-18-170G03	Mini-OTE 300 with Optical Tap, 12-port, 17dB, 8 Output Ports, Tap Input Port, Tap Through Port, External Mounting W/Ground Plug
19 dB	OTE-12MH-18-190G03	Mini-OTE 300 with Optical Tap, 12-port, 19dB, 8 Output Ports, Tap Input Port, Tap Through Port, External Mounting W/Ground Plug
21 dB	OTE-12MH-18-210G03	Mini-OTE 300 with Optical Tap, 12-port, 21dB, 8 Output Ports, Tap Input Port, Tap Through, External Mounting W/Ground Plug

**Terminal configurations:** 2, 4, 6, 8 and 12 port with full size or miniature DLX® adapter



**Terminal Dimensions:** 13.5 x 7.2 x 4.8 inch (342.9 x 182.9 x 121.9 mm)





**Accessories:**

Description	Detailed Product Description	# of Trays	With Splitter	With CCWDM	MOQ/ Order Increment
OTE-M-POLEMNT-BRKT	Pole Mount Bracket Kit	N/A	N/A	N/A	1
OTE-M-CABLERET-KIT	Cable Retention Kit	N/A	N/A	N/A	10
OTE-M-STRAND-BRKT	Strand Mount Bracket Kit	N/A	N/A	N/A	5
OTE-M-STRAND-CLAMP	Strand Clamp Assy. with Hardware	N/A	N/A	N/A	10

**Accessories Examples:**

Pole Mount Bracket Kit



Strand Mount Bracket Kit



Strand Clamp Assembly Kit



Cable Retention Kit



**Ordering Information:**

Please visit the eCatalog for complete product specifications.

[CLICK HERE Mini-OTE 300 Series eCAT](#)

**Additional Resources:**

Please visit the OTE Solutions page for additional information and tools that help you select the right product for your network application. [CLICK HERE OTE Solutions.](#)

Check out this short [Video](#) and learn step-by-step to create a custom, printable catalog on commscope.com.