Telecom Engineering WDM Lite ™ PON System

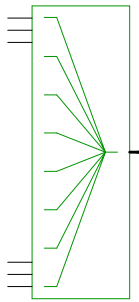
Available with 9,18, 22, 44, 88 or 160 Channel Drops

CENTRAL OFFICE

22-CHANNEL DWDM (1 FIBER)
44-CHANNEL DWDM (2 FIBERS)

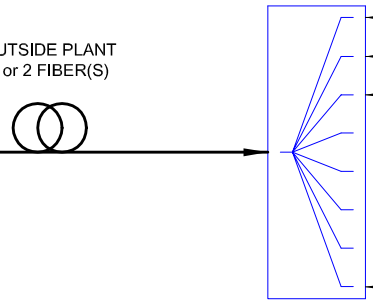
OR

9-CHANNEL CWDM (1 FIBER)
18-CHANNEL CWDM (2 FIBERS)



WDM LITE ™ MUX
DWDM/CWDM OLT

OUTSIDE PLANT
1 or 2 FIBER(S)



WDM LITE™
FIELD COUPLER
TEMPERATURE RANGE; -40°c ~ +40°c

1 or 2 FIBERS
1 or 2 FIBERS
1 or 2 FIBERS

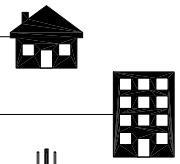
22 DROPS (DWDM, 1 FIBER)
44 DROPS (DWDM, 2 FIBERS)

9 DROPS (CWDM, 1 FIBER)
18 DROPS (CWDM, 2 FIBERS)

1 or 2 FIBERS

WDM LITE ™
ONUs

RESIDENTIAL



BUSINESS/
ENTERPRISE

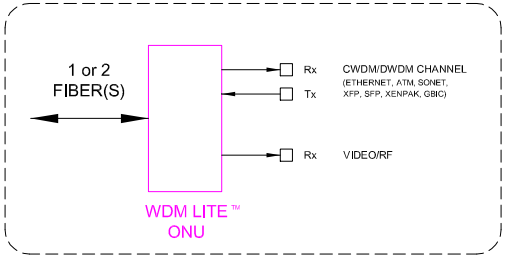
MOBILE
BACKHAUL

22 SITES (DWDM)
9 SITES (CWDM)

DISTANCE 60km +

INSERTION LOSS

EQUIPMENT TOTAL
INSERTION LOSS

3.5 dB (DWDM)	4.0 dB (FIELD COUPLER) + 1.5 dB (SINGLE FIBER)	1.5 dB (ONU)	10.5 dB (DWDM PON SYSTEM)
2.6 dB (CWDM)	2.6 dB (FIELD COUPLER) + 1.5 dB (SINGLE FIBER)	1.5 dB (ONU)	8.2 dB (CWDM PON SYSTEM)

OPTICAL NETWORK UNIT (ONU)