



# DWDM MUX&DMUX 96 Channels

**Part number: DMPDWx96013060**

## DESCRIPTION

The DWDM 96 channel MUX & DEMUX along with the OTWDMs 300G or 1200G are used for transporting high-capacity data. This system uses C13 to H60 channels for the transport.

### Specifications of the passive:

- Establishing minimum appending loss (IL)
- No leakage in adjacent channels
- High reliability and sustainability
- According to ITU-TG.694.1 standard
- According to the ROHS-6 Standard on not using hazardous materials in electronic and mechanical products

## Product specification

Performance Data		Technical Indexes			
Mux Part Number	DMPDWM96013060				
Demux part number	DMPDWD96013060				
Channel Spacing	50GHz	100GHz			
Channel Type	Flat top Gauss	Flat top Gauss			
Channel Number	96	80	48	40	
Wavelength Accuracy (nm)L	±0.5				
-1dB Bandwidth (nm)L	>0.34	>0.24	>0.38	>0.2	
-3dB Bandwidth (nm)L	>0.51	>0.3	>0.58	>0.4	
Channel Insertion Loss (dB)L	<7.0	<6.0	<5.5	<3.5	
Adjacent Channel Isolation (dB)L	>26	>23		>26	
Non-adjacent Channel Isolation (dB)L	<30				
Total Isolation (dB)L	<20		<21		
Flatness (dB)L	<1.5				
Return Loss (dB)L	>40				
Directivity (dB)L	>50				
Polarization-Dependent Loss (dB)L	<0.5				
Polarization Mode Dispersion (PS)L	<0.5				
Operating Temperature °C	-10 ~+70				
Storage Temperature °C	-40 ~ +85				
Package Type	Passives in ABS box, 2U standard 19-inch rack				
Dimension	220mm (height) x 27mm (width) x 105mm (Length)				