



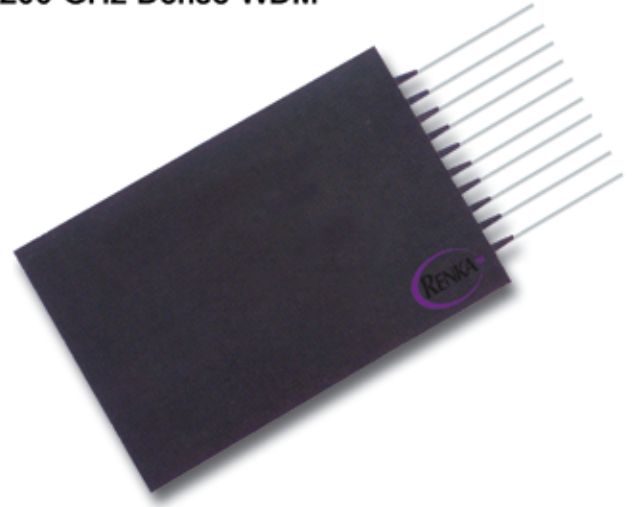
# wavelength division multiplexers

## Description

Renka® SmartCONNECT™ DWDM modules are designed to multiplex or de-multiplex signals in a dense WDM system. Based on thin-film filter technology, Renka DWDMs feature low insertion loss, high isolation and superior environmental stability.

All Renka DWDMs are designed and tested to Bellcore GR-1209 performance and reliability standards.

## 200 GHz Dense WDM



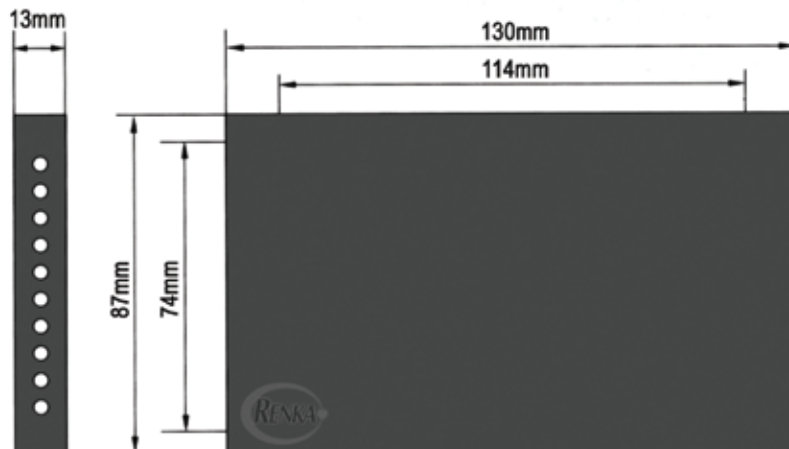
## Applications

- WDM Systems
- Broadband Networks
- Long Haul or Metro Systems
- CATV

## Benefits

- Thin Film Filter Technology
- 200 GHz ITU Spacing
- Low Insertion Loss
- High Channel Isolation
- Epoxy Free Optical Path
- Environmentally Stable

## Package Dimensions



## 200 GHz Dense Wavelength Division Multiplexer Specifications

Channel Number	UNIT	4	8
Center Wavelength ITU Grid	nm	1549.32 - 1560.61	
Channel Passband	nm	>0.5	
Passband Flatness	dB	<0.5	
Max Insertion Loss (typical)	dB	3.0 (2.3)	6.0 (4.0)
Adjacent Channel Isolation	dB	>25	
Non-adjacent Channel Isolation	dB	>38	
Wavelength Thermal Stability	nm/°C	<0.003	
Insertion Loss Thermal Stability	dB/°C	<0.007	<0.008
Polarization Dependent Loss	dB	<0.2	
Return Loss	dB	>45	
Operating Temperature	°C	0 to +70	
Storage Temperature	°C	-40 to +85	

### Ordering Information

DWDM□□-□□-□□□□

**Channel Spacing**  
2: 200 GHz

**Number of Channels**  
4: 4 channel  
8: 8 channel

**Package Type**  
L: Light Duty  
(200 μm bare fiber)  
M: Medium Duty  
(900 μm loose Teflon tube)

**Lead Length**  
1: 1 meter  
2: 2 meters  
C: Custom

**Connector Type**  
00: None  
SU: SC/UPC  
SA: SC/APC  
FU: FC/UPC  
FA: FC/APC  
TU: ST/UPC