

## QUAD WDM RACK-MOUNT CHASSIS 1310/1550nm



### APPLICATIONS

- Erbium Doped Fiber Amplifiers (EDFAs)
- Passive Optical Networks (PONs)
- Fiber Optic Sensors and Gyros
- CATV
- Telecommunications

### FEATURES & BENEFITS

- High Isolation (> 24 dB peak)
- Very High Isolation Available (>30 dB min)
- Low Insertion Loss
- 100% Full Passband Testing
- Environmentally Stable
- Excellent Directivity

IPITEK's Quad WDM Rack-Mount solution provides simple management of up to four units in a 19" or 23" chassis.

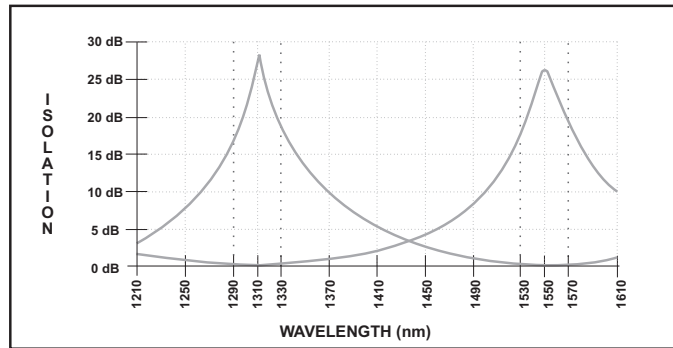
Standard WDMs come in three wavelength combinations (1310/1550, 1480/1550, and 980/1550) and are manufactured using fused biconical tapered (FBT) technology for superior reliability and thermal stability. IPITEK WDMs provide excellent directivity and low return loss. 100% tested across the entire passband (not just convenient centerpoints), IPITEK WDMs are field-proven and will continue to perform to specification long after installation.

IPITEK WDMs are designed to facilitate a wide range of installation parameters and environmental conditions. Customized WDMs using 80  $\mu$ m fiber or requiring specialized passbands, isolations, or channel spacing are available upon request.

# SPECIFICATIONS

WDMs

## ISOLATION vs. WAVELENGTH



## ISOLATION vs. PASSBAND

All Wavelengths	
Peak Isolation	≥24 dB
±10 nm passband	≥18 dB
±15 nm passband	≥17 dB
±20 nm passband	≥16 dB

## OPTICAL / MECHANICAL PARAMETERS

Wavelength	Passband	Directivity	Insertion Loss	Polarization Stability	Thermal Stability	Operational Temp.
1310/1550 nm 1480/1550nm 980/1550 nm	±20 nm	≥55 dB (1x2) ≥65 dB (2x2)	≤0.4 dB	±0.1 dB over all SOP	±0.1 dB over temperature range	-40°C to 85°C

## ORDERING INFORMATION

**I P - W \* S 1 6 \* Q 1 0 4 - S \* \* \* \***

**Wavelength**  
3 = 1310/1550 nm  
4 = 1480/1550 nm  
5 = 980/1550 nm  
Z = Custom

**Jacket or Buffer Type**  
S = Standard 250 μm

**Isolation**  
16 = 16 dB

**Grade**  
T = Top

**Port Configuration**  
Q104 = Quad WDM

**Package**  
N = 19" 1U high rack mount  
T = 23" 1U high rack mount

**Inputs/Outputs**  
B = Bulkhead Adapters

**Connector**  
S = SC  
F = FC  
T = ST  
L = LC  
E = E-2000

**Polish**  
1 = UPC  
2 = SPC  
3 = APC  
4 = PC

Please review your order with your IPITEK customer service representative for questions.



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IPITEK reserves the right to modify product specifications without prior notification.

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