

HWD1315

High Isolation 1310/1550nm WDM

PRODUCT DESCRIPTION

HWD1315 high isolation WDM is based on mature thin film filtering tech, metal sealing technology package. HWD1315 is used in combination and separation of 1310nm and 1550nm band optical signal. Its wide bandwidth, flatness, low insertion loss and isolation are higher than the average MWDW devices and so on.

HWD1315: 1550nm pass.

HWD1513: 1310nm pass.

PRODUCT FEATURE

- ▶ Wide operating band
- ▶ Compact
- ▶ High isolation
- ▶ Low PDL&PMD
- ▶ High stability and reliability
- ▶ Optical link without epoxy glue

MAIN APPLICATION

- ▶ Optical transmitter and optical fiber lasers
- ▶ Uni-directional WDM system
- ▶ Bi-directional WDM system
- ▶ System monitor
- ▶ DWDM system
- ▶ Optical fiber instrument
- ▶ Laboratory

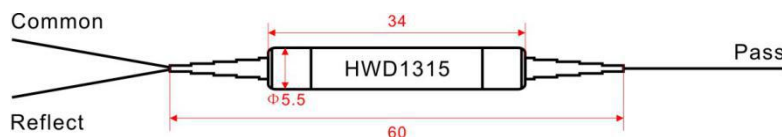


TECHNIQUE INDEX

Performance		Index			Supplement
		Min.	Typ.	Max.	
Transmission channel wavelength range	(nm)	1250		1350	HWD1513
		1520		1600	HWD1315
Reflection channel wavelength range	(nm)	1520			HWD1513
		1250		1350	HWD1315
Insertion loss	Transmission channel	(dB)		0.6	
	Reflection channel			0.4	
Isolation	Transmission channel	(dB)	55		
	Reflection channel		45		
Pass band ripple	(dB)			0.3	
Directivity	(dB)	55			
Return loss	(dB)	55			
Polarization mode dispersion	(ps)			0.05	
Polarization dependence loss	(dB)			0.1	
Power handling	(mW)			500	
Operating temp.	(°C)	-10		+70	
Storage temp.	(°C)	-40		+85	
Fiber type		SMF-28e with 900μm loose tube			
Optical connector		SC/APC			
External dimension	(mm)	Φ5.5×34			S
		100×80×10			M

EXTERIOR DIMENSION

S exterior



Technical drawing of the HWD1315 WDM component. The drawing shows a rectangular component with a central label "HWD1315 High Isolation 1310/1550nm WDM". The component has four mounting holes at the corners, each with a diameter of 3.5mm and a depth of 4mm. The overall dimensions are 100mm by 80mm. The component is labeled "COM" at the top left and "1550 1310" at the bottom left. A vertical scale on the left side indicates positions 1 through 8, with "IN" at the top and "OUT" at the bottom. The distance between the mounting holes is 69mm.

Model number	Transmission band	Reflection band	Exterior	Connector	Supplement
HWD1315-S-00	1250~1350nm	1520~1600nm	Φ5.5×34	None	
HWD1315-M-SC			100×80×10	SC/APC	FC/APC optional
HWD1513-S-00	1520~1600nm	1250~1350nm	Φ5.5×34	None	
HWD1513-M-SC			100×80×10	SC/APC	FC/APC optional

The diagram illustrates the product code structure for the HWD 13 15 - □ - □ S □. The code is broken down into the following components:

- Product series:** HWD
- Wavelength division multiplexer:** 13, 15
- Reflection wavelength:** 1350nm, 1550nm
- Transmission wavelength:** 1350nm, 1550nm
- Exterior:** S, □
- Connector:** □, S, □