

**SWD1315**

**1310/1550nm Fused Bi-conical Taper**

**DWDM**

**Technical index**

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## **1.0 PRODUCT DESCRIPTION**

Huatai SWD1315 single mode DWDM adopt fused bi-conical taper technical with low insert loss, channel flatness features. Mainly used in optical network 1310nm and 1550nm combination and halve.

SWD1315A: Fused Bi-conical taper type, single class,  $ISO \geq 17\text{dB}$ 。

SWD1315P: Fused Bi-conical taper type, dual class,  $ISO \geq 34\text{dB}$ 。

## **2.0 PRODUCT FEATURE**

- Low insert loss
- High isolation
- Low polarization dependence loss
- High directivity, high stability and high reliability
- Bi-direction application

## **3.0 MAIN APPLICATION**

- Optical communication network
- CATV network
- Lab

## 4.0 TECHNICAL SPECIFICATION

Performance		Index			Supplement
		Min.	Typ.	Max.	
Work wavelength range	(nm)	1528	1550	1565	C-Band
		1295	1310	1325	O-Band
Insert loss	Single stage			0.3	SWD1315A
	Twin-stage			0.6	SWD1315P
Isolation	Single stage	17			SWD1315A
	Twin-stage	34			SWD1315P
PDL	Single stage			0.1	SWD1315A
	Twin-stage			0.1	SWD1315P
Directivity		(dB)	60		
Echo loss		(dB)	50		
Transmission power		(mW)		500	
Operate temp.		(°C)	-20	+85	
Store temp.		(°C)	-40	+85	
Fiber Optic type			SMF-28e with 900 μ m loose tube		
Fiber length	Com port		1.2		
Dimension		(mm)	Φ5.5×35		