

# SWD1315

## 1310nm/1550nm Fused Biconical Taper WDM

### PRODUCT DESCRIPTION

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

SWD1315A: fused biconical taper, single-stage,  $ISO \geq 17\text{dB}$ .

SWD1315P: fused biconical taper, twin-stage,  $ISO \geq 34\text{dB}$ .

### PRODUCT FEATURE

- ▶ Low insertion loss
- ▶ High isolation
- ▶ Low polarization dependence loss
- ▶ High directivity, high stability and high reliability
- ▶ Bi-directional applications

### MAIN APPLICATION

- ▶ Optical fiber communication network
- ▶ CATV network
- ▶ Lab



## TECHNIQUE INDEX

Performance			Index			Supplement
			Min.	Typ.	Max.	
Operating wavelength range	(nm)		1528	1550	1565	C-Band
			1295	1310	1325	O-Band
Insertion loss	Single stage	(dB)			0.3	SWD1315A
	Twin-stage				0.6	SWD1315P
Isolation	Single stage	(dB)	17			SWD1315A
	Twin-stage		34			SWD1315P
Polarization dependence loss	Single stage	(dB)			0.1	SWD1315A
	Twin-stage				0.1	SWD1315P
Directivity		(dB)	60			
Echo loss		(dB)	50			
Power handling		(mW)			500	
Operating temp.		(°C)	-20		+85	
Storage temp.		(°C)	-40		+85	
Fiber type			SMF-28e with 900μm loose tube			
Fiber length	Com port			1.2		
Size		(mm)	Φ5.5×35			