

## W7303-S



### 1x2 1598.89 nm Filter

Data(dB) WL(nm)	Comm. → Pass (IL/PDL for PBs, Isolation for IBs)				Comm. → Reflec. (IL/PDL for IBs, Isolation for PBs)			Directivity (Room Temp.)		Return Loss (Room Temp.)			K-factor within PBI
	-5°C	Room	50°C for PBI	70°C for PBI	-5°C	Room	70°C for PBI	Pass → Reflec.	Reflec. → Pass	Common Port	Reflection Port	Pass Port	
ITU-(IBB)/2 1594.123	25.99	27.89	NA	32.03	0.29/ 0.02	0.26/ 0.02	0.21/ 0.01	/	70	55	62	/	/
ITU-(IBA)/2	NA	NA	NA	NA	NA	NA	NA	/	/	/	/	/	/
ITU-(PB2)/2	NA	NA	NA	NA	NA	NA	NA	/	/	/	/	/	/
ITU-(PB1)/2 50°C/70°C 1595.343	0.43/ 0.02	0.44/ 0.02	NA	0.51/ 0.02	NA	NA	NA	/	/	/	/	/	0.00063 0986 dB/GHz
ITU 1598.893	0.32/ 0.02	0.32/ 0.03	NA	0.36/ 0.02	NA	NA	NA	70	/	63	/	62	
ITU+(PB1)/2 50°C/70°C 1602.443	0.64/ 0.02	0.6/ 0.02	NA	0.53/ 0.02	NA	NA	NA	/	/	/	/	/	/
ITU+(PB2)/2	NA	NA	NA	NA	NA	NA	NA	/	/	/	/	/	/
ITU+(IBA)/2	NA	NA	NA	NA	NA	NA	NA	/	/	/	/	/	/
ITU+(IBB)/2 1603.663	29.71	27.82	NA	23.04	0.3/ 0.02	0.27/ 0.02	0.29/ 0.03	/	70	55	60	/	/
Worst Case for PIL or Riso	0.64	0.6	NA	0.53	NA	NA	NA	/	/	/	/	/	/
Ripple	0.32	0.28	NA	0.17	0.01	0.01	0.08	/	/	/	/	/	/
CD (ps/nm/km)	NA								/	/	/	/	/
TDL	NA				/	/	/	/	/	/	/	/	/
ITU: 1598.893 PB1(50°C): NA PB1(70°C): 7.1 PB2: NA IBA: NA IBB: 9.54 (All in nm)													
TIL: 0.80 T Rip: 0.35 TI-IBA: NA RIL: 0.35 R Rip: 0.2 RL: 50 TIL-PB2: CD: NA TI-IBB: 18 Riso: NA TDL: NA Direc: 50 (All in dB except CD)													
Temp. Cycle: -40 °C to 85 °C													

**Order notes to our customers:** The default parameters are as follows. For special needs, please contact sales.

**1) Connector FC/APC, 900 um, 1 m by default for all devices except for high power devices.**

**2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.**