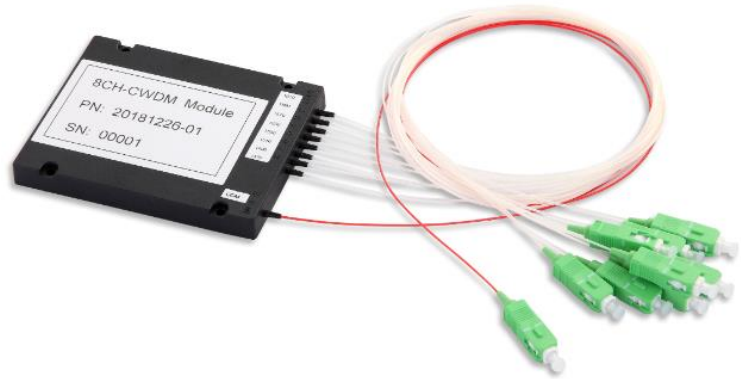


## TFF CWDM Module

### Features

- Automatic Optical alignment
- Optical path epoxy free
- Low insert loss & high isolation
- TelcordiaGR-1221-Core qualified
- RoHS compliant



### Applications

- CWDM Mux/Demux
- Metro optical networks
- FTTx network
- Mobile front-haul

### Specification

Parameters		Unit	Specification					
Channel Count		Channel	2	4	6	8	12	16
Channel Center Wavelength		nm	1270, 1290...1610 or 1271, 1291...1611					
Channel Spacing		nm	20					
Bandwidth@-0.5dB		nm	$\geq 13 (\lambda_c \pm 6.5\text{nm})$					
Insertion Loss		dB	$\leq 1.0$	$\leq 1.5$	$\leq 2.0$	$\leq 3.0$	$\leq 3.8$ (Standard Loss) $\leq 3.0$ (Low loss)	$\leq 5.0$ (Standard Loss) $\leq 3.5$ (Low loss)
Isolation	Adjacent Channel	dB	$\geq 30$					
	Non-Adjacent Channel	dB	$\geq 45$					
Return Loss		dB	$\geq 45$					
Polarization Dependent Loss		dB	$\leq 0.20$			$\leq 0.30$		
Polarization Mode Dispersion		Ps	$\leq 0.10$					
Directivity		dB	$\geq 45$					
Power Handling		mW	300					
Operating Temperature		°C	-40 ~ +85					
Storage Temperature		°C	-40 ~ +85					
Fiber Type		--	Corning SMF-28 Ultra, G657A1/A2 or customer specified					
Pigtail type		--	$\varnothing 0.9\text{mm}$ loose tube or $\varnothing 1.6\text{mm}/\varnothing 2.0\text{mm}/\varnothing 3.0\text{mm}$ optical cable;					
Fiber length		m	1.0, or customer specified					
Connector Type		--	LC, SC, or customer specified					

Information and specifications are subject to change without notice.  
Please visit [www.china-tscom.com](http://www.china-tscom.com) for more information

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Package Dimension	mm	ABS Box: L100 x W80 x H10(2/4/6/8CH) L120 x W80 x H18(12/16CH) Cartridge: 130X100X25
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**Note:**

- Insertion loss excluding connector loss. With connectors add 0.3dB;
- Customized dimension is available.
- Tap monitoring port and expansion port are optional.