

100GHz CWDM TFF Device

Description

Browave provides high quality 3-port or 6-port thin film filter device with flat channel bandwidth, low insertion loss, high isolation and stable environmental performances. Browave manufactures a series of WDM devices compliant with ITU 100GHz, 200GHz, and CWDM spacing and all our devices are RoHS and Telcordia compliant.



Features

- ▶ High channel isolation
- ▶ Highly stable and reliable
- ▶ Low insertion loss
- ▶ Epoxy-free optical path

Application

- ▶ Add/Drop channels
- ▶ EDFA system
- ▶ CWDM systems or DWDM systems
- ▶ Metro/Access communication networks
- ▶ CATV fiber-optical links

Specification

Items	Parameter	Unit		100G	CWDM Wide Band	HRI
Normal Information	Central Wavelength	nm		C Band	1260 ~ 1620	Pass band 1460 ~ 1640
	Channel Spacing	nm		0.8	20	Reflect band 1260 ~ 1360
Transmission port (Port'1'=>Port'2')	Channel Passband	Max.	dB	ITU±0.12	$\lambda_c \pm 7$	-
	Add/Drop Channel Insertion Loss	Max.	dB	1	0.6	0.8
		Typ.	dB	0.7	0.45	0.6
	Adjacent Channel Isolation	Min.	dB	25	30	45
	Non-adjacent Channel Isolation	Min.	dB	40	50	45
	Polarization Dispersion Loss	Max.	dB	0.15	0.1	0.15
Reflection port (Port'1'=>Port'3')	Remaining Channel Insertion Loss	Min.	dB	0.4	0.6	0.5
		Typ.	dB	0.33	0.35	0.6
	Remaining Channel Isolation	Min.	dB	12	15	45
	Polarization Dispersion Loss	Min.	dB	0.15	0.1	0.15
Others	Directivity	Min.	dB	50		50
	Return Loss	Max.	dB	50		50
	Optical Power	Min.	mW	500		500
	Tensile Load	Max.	N	5		5
	Operating Temperature	°C		-40 ~ +85		-40 ~ +85
	Storage Temperature Range	°C		-40 ~ +85		-40 ~ +85
	Fiber Type*	-		250um bare fiber		250um bare fiber
	Package Dimension (DxL)	mm		3.8 x 36	3.8 x 36	3.8 x 36
mm		3.2 x 36	3.2 x 36	3.2 x 36		

* 900um loose tube fiber also available

Note: 200G and CWDM standard SPEC available upon request