

## Wavelength Selective Switch(WSS)



### Product Introduction

Wavelength Selective Switch (WSS) series are based on free-space optics and MEMS technology. They are widely used in the ROADM system to dynamically attenuate, block, switch and route wavelengths independently. The products are Telcordia GR-1221-CORE qualified, and RoHS compliant.

### Features

- Low insertion loss
- Hitless
- Low power consumption

### Applications

- Wavelength routing
- Wavelength equalize, attenuate, block and switch
- Add/drop capability

### Standards

- Telcordia GR-1221-CORE

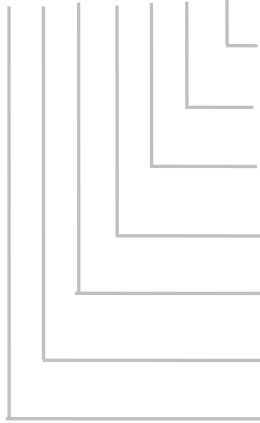
### Specifications

Parameter	Unit	Specifications				
		1x2(2x1) 100GHz	1x2(2x1) 50GHz	1x9(9x1) 100GHz	1x9(9x1) 50GHz	
Number of ports		3		10		
Frequency Range	THz	191.3~196	191.3~196.05	191.3~196	191.3~196.05	
Channel Number		40/44/48	80/88/96	40/44/48	80/88/96	
Insertion Loss	Express	dB	<6	<6.5	<7.5	<7.5
	Service	dB	<6	<6.5	<7.5	<7.5
Clear Passband	GHz	$f_{ITU} \pm 20$	$f_{ITU} \pm 10$	$f_{ITU} \pm 20$	$f_{ITU} \pm 10$	
Channel Bandwidth@-0.5dB	GHz	$>f_{ITU} \pm 25$	$>f_{ITU} \pm 12.5$	$>f_{ITU} \pm 25$	$>f_{ITU} \pm 12.5$	
Channel Bandwidth@-3.0dB	GHz	$>f_{ITU} \pm 33$	$>f_{ITU} \pm 16$	$>f_{ITU} \pm 33$	$>f_{ITU} \pm 16$	
Channel Extinction Ratio	dB	>35	>35	>35	>35	
Tunable Attention Range	dB	0~15	0~15	0~15	0~15	
Attenuation @0~10dB	dB	$\pm 1$	$\pm 1$	$\pm 1$	$\pm 1$	

Accuracy	@10~15dB	dB	±10%*Att.	±10%*Att.	±10%*Att.	±10%*Att.
Attenuation	Response	ms	<250			
Switching Time		ms	<1500			
Dimensions (L×W×H)		mm	185×110×20		185×110×32	
Power Consumption		W	<8			

Ordering Information

WSS-□-□-□-□-□-□-□-□



Connector: FC,SC,LC /UPC,APC

Fiber length: 1:1m, customer specify

Fiber Dia.: 025: Φ0.25mm、09: Φ0.9mm

Number of channel: 48: 48channel 、96: 96channel

Channel spacing: 1: 100GHz 、3: 50GHz

Wavelength range: C: C-band

Number of Ports: 12: 1×2、21: 2×1、19: 1×9、91: 9×1

