

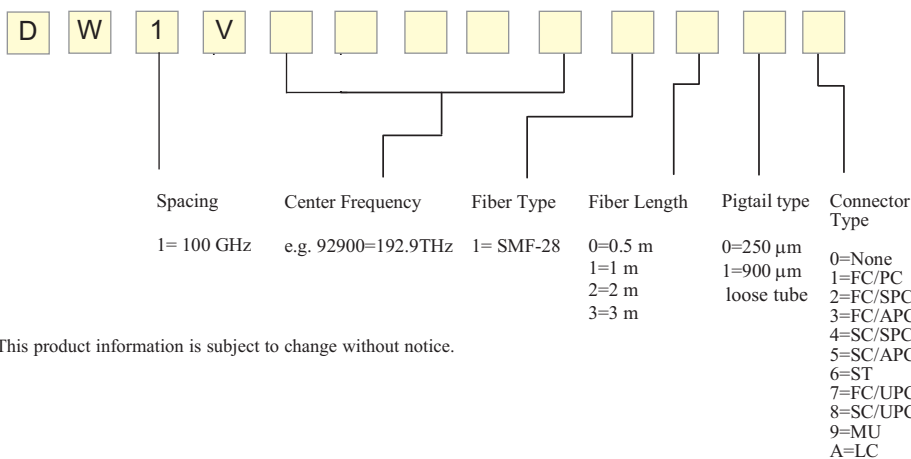
# 100GHz DWDM 3-Port Device

## Specifications

Parameters		Unit	Specification
Channel Spacing		GHz	100
Operating Wavelength Range		nm	1525 ~ 1610
Pass Channel (C↔P)	Center Wavelength $\lambda_C$	GHz	ITU Grid
	Pass Band @ 0.5dB	Min. nm	$\pm 0.11$
	Insertion Loss	Max. dB	1.2
	Adjacent Isolation	Min. dB	25
	Non-adjacent Isolation	Min. dB	40
	Ripple	Max. dB	0.5
Reflection Channel (C↔R)	Wavelength Range $\lambda_R$	nm	$>\lambda_C + 0.69\text{nm} \ \& \ <\lambda_C - 0.69\text{nm}$
	Insertion Loss	Max. dB	0.5
	Isolation @ $\lambda_C \pm 0.11\text{nm}$	Min. dB	12
Directivity	Min. dB	50	
Optical Return Loss	Min. dB	45	
Polarization Dependent Loss	Max. dB	0.1	
Polarization Mode Dispersion	Max. ps	0.1	
Chromatic Dispersion in Passband	Max. ps/nm	$\pm 30$	
Thermal Wavelength Drift	Max. nm/°C	0.002	
Thermal Stability	Max. dB/°C	0.004	
Operating Temperature	°C	-5 ~ 70	
Storage Temperature	°C	-40 ~ 85	
Max. Optical Power	Min. mW	500	
Max. Tensile Load	Min. N	5	
Fiber Type	-	SMF-28	
Dimension	mm	$\phi 5.5 \times 32$ for 250 $\mu\text{m}$ bare fiber $\phi 5.5 \times 39$ for 900 $\mu\text{m}$ loose tube	

Note: Return loss without connector; insertion loss does not include connector

## Ordering Information



This product information is subject to change without notice.



## Features / Benefits

- Low insertion loss
- High channel isolation
- Low PDL & PMD

## Applications

- DWDM networks