

WDM Combiner – DW603 – C/L

Applications

- Multiplexing or de-multiplexing C & L-band signals.



Description

- DW603-C/L Modules can multiplex or de-multiplex a wide range of wavelengths from a signal band.

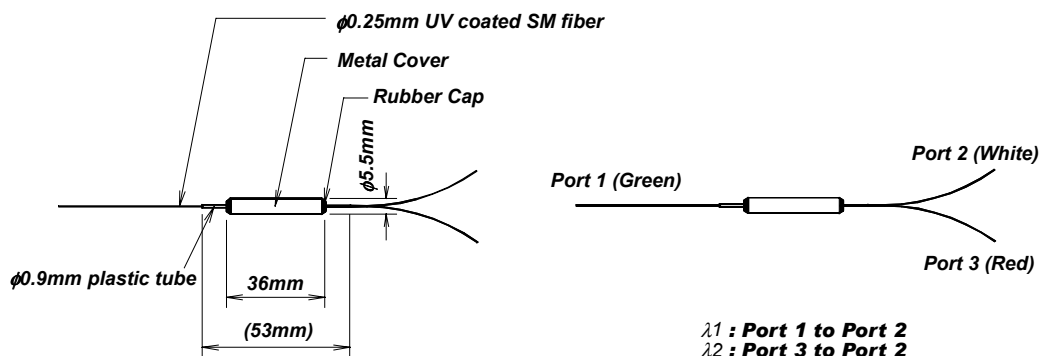
Features

- Extremely low insertion loss: 0.3dB
- Flat insertion loss spectrum.
- High reliability using YAG laser welding and Epoxy-free optical path.

Environmental Conditions

Parameter	symbol	Unit	Min	Typ	Max	Remarks
Storage Temperature	Tst	°C	-40	-	85	No dew condensation
Operating Temperature	Top	°C	0	-	70	No dew condensation
Maximum Optical Power	Pmax	mW	---	---	1500	

Outline Drawings



WDM 603 48/55 Data Sheet

February, 2002

Optical Characteristics

C-band Reflected / L-band Transmitted

<i>Item</i>	<i>Symbol</i>	<i>Conditions</i>	<i>min.</i>	<i>typ.</i>	<i>max.</i>	<i>unit</i>
Operating Wavelength (Transmission)	λ_1	-	1570		1610	nm
Operating Wavelength (Reflection)	λ_2	-	1528		1564	nm
Insertion Loss	IL1	Port 1 to Port 2, Top, λ_1 Include PDL, WDL		0.5	0.8	dB
Insertion Loss	IL2	Port 3 to Port 2, Top, λ_2 Include PDL, WDL		0.3	0.7	dB
Insertion Loss Flatness	WDL1	Port 1 to Port 2, Top, λ_1			0.3	dB
Insertion Loss Flatness	WDL2	Port 3 to Port 2, Top, λ_2			0.2	dB
Polarization Dependent Loss	PDL	Port 1 to Port 2, Top, λ_1 Port 3 to Port 2, Top, λ_2		0.05	0.1	dB
Isolation	Iso1	Port 1 to Port 2, Top, λ_2	20			dB
Isolation	Iso2	Port 3 to Port 2, Top, λ_1	12			dB
Return Loss	RL	All ports	50			dB
Directivity	Dir	Port 1 to Port 3	50			dB

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