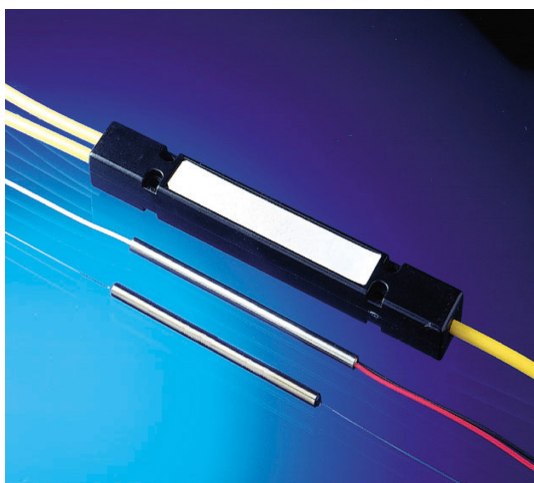


Single Mode Tri-Window Wideband Coupler (TWBC)



Features

- Low Insertion Loss
- Comply with RoHS
- Comply with Telcordia GR-1209, GR-1221

Applications

- Telecommunications
- FTTH, CATV , LAN

SPECIFICATIONS (based on 50/50)

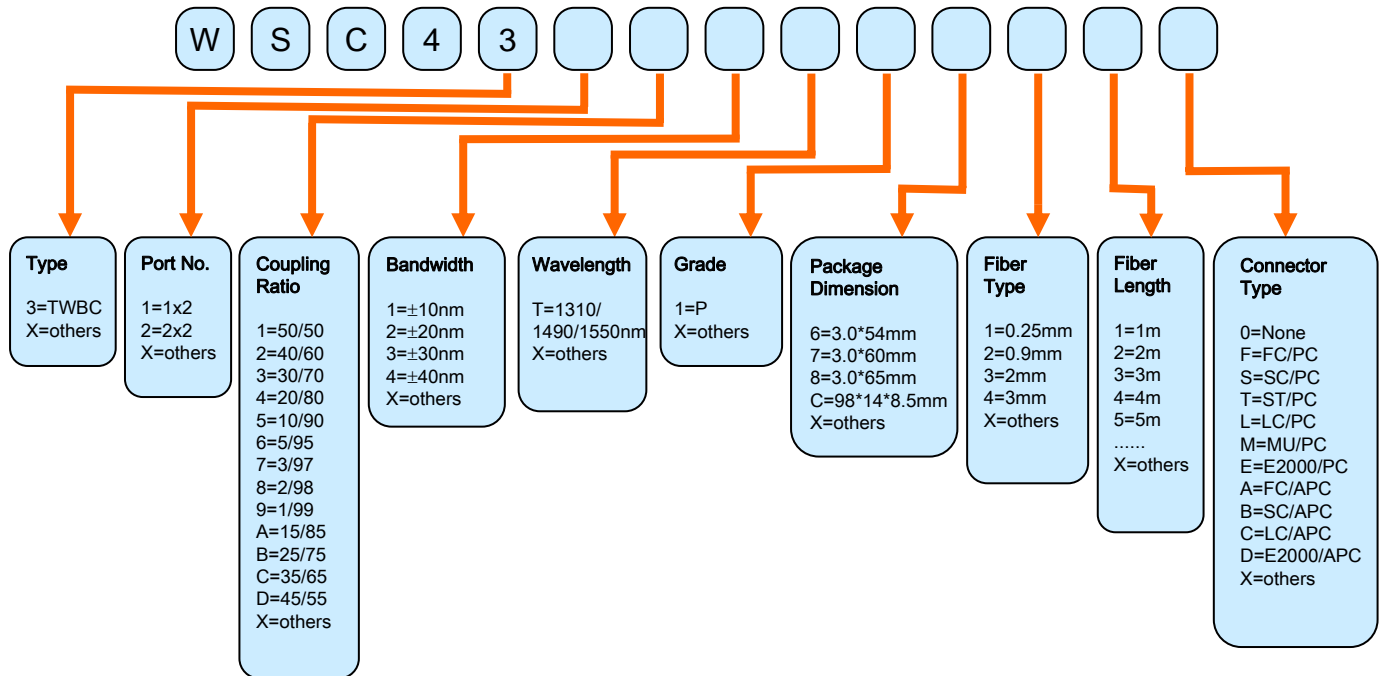
PARAMETERS	TWBC
Grade	P
Operating Wavelength (nm)	1310/1490/1550±20 or Customer defined
Insertion Loss	≤3.6dB
Uniformity	≤0.7dB
Thermal Stability (-40~85°C)	±0.1dB
Return Loss	≥55dB
Polarization Dependent Loss	≤0.1dB
Package Dimensions (mm)	250um fiber:3.0(OD)x54 900um loose tube:3.0(OD)x60(L) Ruggedized:98(L)x14(W)x8.5(H)
Operating Temperature	-40~85°C

COUPLING RATIO/IL CONVERSION CHART

COUPLING RATIO	TWBC
50/50	3.6dB
40/60	4.8/2.8dB
30/70	6.0/1.9dB
20/80	7.9/1.4dB
10/90	11.3/0.6dB
5/95	15.2/0.45dB
1/99	22.5/0.3dB

COUPLING RATIO/PDL CONVERSION CHART

COUPLING RATIO	TWBC
50/50	0.1dB
40/60	0.1dB
30/70	0.1dB
20/80	0.1dB
10/90	0.15dB
5/95	0.15dB
1/99	0.15dB



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