



Optical Multiplexers

Technical Specification

Parameter	Unit	Typical Value				
		4 wavelengths	4+1 wavelengths	1x8 min.1470nm	1x8 min.1610nm	
Cchannel Number	-	8	8	8	8	
Channel Spacing	nm	20	20	20	20	
Operating Wavelength	nm	1470,1490,1550,1570	1310 (± 50nm), 1490,1510,1530,1550	1470,1490,1510,1530, 1550,1570,1590,1610	1470,1490,1510,1530, 1550,1570,1590,1610	
Passband Range	nm	± 6,5 nm	± 6,5 nm *	± 6,5 nm	± 6,5 nm	
Insertion Loss	1310nm	dB	-	0,40	-	-
	1470nm	dB	0,50	-	0,30	2,40
	1490nm	dB	0,95	0,70	0,60	2,10
	1510nm	dB	-	1,00	0,90	1,80
	1530nm	dB	-	1,30	1,20	1,50
	1550nm	dB	1,30	1,60	1,50	1,20
	1570nm	dB	1,65	-	1,80	0,90
	1590nm	dB	-	-	2,10	0,60
Isolation	Adjacent	dB	> 30	> 35	> 30	2
	Non-adjacent	dB	> 45	> 45	> 45	2
PDL	dB	< 0,08	< 0,1	< 0,2	< 0,2	
Channel Ripple	dB	< 0,3	< 0,3	< 0,3	< 0,3	
Return Loss	dB	> 50	> 50	> 45	> 45	
Directivity	dB	> 50	> 50	> 50	> 50	
Pigtail Length	m	1,5	1,5	1,5	1,5	
Pigtail Type	mm	LSZH 2mm	LSZH 2mm	LSZH 2mm	LSZH 2mm	
Fiber Type		G.652D	G.652D	G.652D	G.652D	
Operating Temperature	°C	- 5 ÷ + 70	- 5 ÷ + 70	- 5 ÷ + 70	- 5 ÷ + 70	
Storage Temperature	°C	- 40 ÷ + 85	- 40 ÷ + 85	- 40 ÷ + 85	- 40 ÷ + 85	
Dimension	mm	100 x 80 x 10	100 x 80 x 10	100 x 80 x 10	100 x 80 x 10	
Connector Type		SC/APC	SC/APC	SC/APC	SC/APC	

KST Ltd.

Address: 357 Slivnitza Blvd.,
Sofia, Bulgaria

Tel: +359 2 927-72-56
Fax: +359 2 927-00-14

Web: www.kst-bg.com
E-mail: sales@kst-bg.com