

Ordinary WDM specification example:

Characteristics		DKT WDM-30-XX	DKT WDM-45-XX
Insertion loss - Typ.	dB	0.7	1.0
Isolation	dB	>30	>45
Polarization Sensitivity	dB	0.15	
Operating Wavelength	nm	1310 ±20 + 1550 ±20	
Directivity	dB	>60	
Return loss	dB	>50	
Operating Temperature	°C	-40 to +85	
/ Storage temp.			
Fiber types		G.652.D 9/125/900 μm or 9/125/2800 μm	
Fiber pigtail length	m	1 (custom on request)	
Package dimension	m	100 x 80 x 9mm, Tube L34mm, Ø5.5 available	

Multi-channel WDM specification example:

Data			DKT CWDM 2	DKT CWDM 4+1	DKT CWDM 8+1
Channel number		----	2 (2 x optional)	5 (1310 + 4 x optional)	9 (1310 + 8 x optional)
Center Wavelength		nm	1310-1610		
Channel spacing		nm	20		
Channel Pass Band(-0.5 dB Bandwidth)	Min.	nm	±6.5		
Insertion loss	Typ.	dB	0.6	1.0	1.8
Insertion loss	Max.	dB	0.8	1.2	2.1
Link loss with Mux & Demux Combination	Max.	dB	1.2	2.0	3.6
Pass Band Flatness	Max.	dB	0.3		
Channel Uniformity	Max.	dB	0.5		
Isolation, Adjacent Channels	Min.	dB	30		
Isolation, Non-Adjacent Channels	Min.	dB	50		
Directivity	Min.	dB	50		
Optical Return Loss	Min.	dB	45		
PDL	Max.	dB	0.1		
Thermal Stability	Max.	dB/°C	0.006		
Thermal Wavelength Drift	Max.	nm/°C	0.003		
Operating Temperature		°C	0 to +65		
Storage Temperature		°C	-40 to +85		
Package Dimension (LxWxH)		mm	80x60x12	100×80×10	100×80×10
Maximum Power Handling		mW	300		