cwdm mux/demux filters, lgx cassette

Product information

DKT manufactures a wide range of products including fiber optic patch cords, rack and wall mount patch panels, optical splitters, multiplexer and adapter modules along with various fiber optical accessories. Our products support a wide range of panel configurations, densities, connectors, and adapter options to be sure to meet your exact specifications. With many products maintained in stock, DKT is able to provide the custom single-mode cable assemblies to meet your system's needs.

Additionally, DKT provides a complete line of LGX and rack mount couplers / splitters, and universal wave division multiplexers (WDM, CWDM, and DWDM). Our optical splitters utilize both PLC and FBT technology (selection is made when appropriate) providing the efficiency needed for today's telecommunication networks. Our passive line of fiber couplers are also provided at the component level for splicing or sub-assembly applications. The operation wavelength of PLC is 1260~1650nm, but the operation wavelength of FBT is 1310 & 1490 & 1550nm.

DKT's wall mount, rack mount and high-density fiber optic patch panels are designed to provide superior cable management, such as easy fiber access, reduced installation time and guaranteed bend radius protection. These patch panels are available fully equipped, capable of splicing and/or terminating a number of fibers or as simply the empty cabinet.

CWDM MUX/DeMUX filter LGX modules

Type		69665	69666	69677	69678
Description		1x 8 ch CWDM filter MUX	1x 8 ch CWDM filter DeMUX	1x 8+1 ch CWDM filter MUX	1x 8+1 ch CWDM filter DeMUX
Start wavelength (nm)		1470		1310	
Channel Count (Ch)		8		9	
Channel Center Wavelength (nm)		1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610,		1310, 1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610,	
Channel Passband Min, 1610nm (nm)		1420...1457 1603...1620	1603...1620	-	-
Channel Passband Min, 1310nm (nm)		-	-	±50	
Channel Passband Min, others (nm)		±6.5			
Insertion Loss	Wavelengths Typ/Max (dB)	-	-	1310: 2.00/2.80	1310: 0.80/1.00
	Wavelengths Typ/Max (dB)	1470: 1.90/2.60	1470: 0.80/1.00	1470: 1.90/2.60	1470: 1.00/1.30
	Wavelengths Typ/Max (dB)	1490: 1.70/2.40	1490: 1.00/1.30	1490: 1.70/2.40	1490: 1.20/1.60
	Wavelengths Typ/Max (dB)	1510: 1.60/2.20	1510: 1.20/1.60	1510: 1.60/2.20	1510: 1.40/1.90
	Wavelengths Typ/Max (dB)	1530: 1.40/1.90	1530: 1.40/1.90	1530: 1.40/1.90	1530: 1.60/2.20
	Wavelengths Typ/Max (dB)	1550: 1.20/1.60	1550: 1.60/2.20	1550: 1.20/1.60	1550: 1.70/2.40
	Wavelengths Typ/Max (dB)	1570: 1.00/1.30	1570: 1.70/2.40	1570: 1.00/1.30	1570: 1.90/2.60
	Wavelengths Typ/Max (dB)	1590: 0.80/1.00	1590: 1.90/2.60	1590: 0.80/1.00	1590: 2.00/2.80
	Wavelengths Typ/Max (dB)	1610: 1.70/2.40	1610: 1.70/2.40	1610: 0.65/0.90	1610: 2.10/3.00
Isolation	Adjacent Channel Min (dB)	30			
	Non-Adjacent Channel Min (dB)	40			
Polarization Dependent Loss Max (dB)		0.15			
Passband Ripple Max (dB)		0.30			
Directivity Min (dB)		55			
Return Loss Min (dB)		50			
Polarization Mode Dispersion Max (ps)		0.20			
Power Handling Max (mW)		300			
Connector Type		SC/APC			
Fiber Type		SMF-28e			
Operating Temperature °C		-10 ~ 70			
Storage Temperature °C		-40 ~ 85			
Package Dimension (mm)		LGX (1 Wide)			

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