

## cwdm/dwdm filters, lgx chassis type

### 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/DWDM filter LGX modules

Type	69665	69667	69669	69672
Description	1x 8 ch CWDM filter	1x 8 ch DWDM filter, ITU 21-35	1x 8 ch DWDM filter, ITU 45-59	1x 20ch DWDM filter, ITU 21-59
Operating wavelength (nm)	1460-1620	-	-	-
Channel Count (Ch)	8	8	8	20
Channel Space (GHz)	-	200	200	200
Channel Center Wavelength (nm)	1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611	C21, C23, C25, C27, C29, C31, C33, C35 Accuracy: +/-0.10	C45, C47, C49, C51, C53, C55, C57, C59 Accuracy: +/-0.10	C21, C23, C25, C27, C29, C31, C33, C35, C37, C39, C41, C43, C45, C47, C49, C51 Accuracy: +/-0.10
Channel Passband Min (nm)	±6.5	ITU +/-0.25	ITU +/-0.25	ITU +/-0.25
Insertion Loss	Wavelengths Max (dB)	1471: 1.00	C45: 3.40	C45: 3.40
	Wavelengths Max (dB)	1491: 1.30	C47: 3.10	C47: 3.10
	Wavelengths Max (dB)	1511: 1.60	C49: 2.80	C49: 2.80
	Wavelengths Max (dB)	1531: 1.90	C51: 2.50	C51: 2.50
	Wavelengths Max (dB)	1551: 2.20	C53: 2.20	C53: 2.20
	Wavelengths Max (dB)	1571: 2.50	C55: 1.90	C55: 1.90
	Wavelengths Max (dB)	1591: 2.80	C57: 1.60	C57: 1.60
	Wavelengths Max (dB)	1611: 3.10	C59: 1.30	C59: 1.30
Isolation	Adjacent Channel Min (dB)	30	30	30
	Non-Adjacent Channel Min (dB)	40	35	35
Polarization Dependent Loss Max (dB)	0.15	0.15	0.15	0.20
Passband Ripple Max (dB)	0.30	0.50	0.50	0.50
Directivity Min (dB)	50	50	50	50
Return Loss Min (dB)	45	45	45	45
Polarization Mode Dispersion Max (ps)	0.10	0.10	0.10	0.10
Power Handling Mac (mW)	300	300	300	300
Connector Type	SC/APC	SC/APC	SC/APC	SC/APC
Pigtail Type	0.9mm loose tube	0.9mm loose tube	0.9mm loose tube	0.9mm loose tube
Fiber Type	G657A1	G657A1	G657A1	G657A1
Operating Temperature °C	-10 - 70	-10 - 70	-10 - 70	-10 - 70
Storage Temperature °C	-40 - 85	-40 - 85	-40 - 85	-40 - 85
Package Dimension (mm)	LGX (1 Wide)	LGX (1 Wide)	LGX (1 Wide)	LGX (3 Wide)