

optical splitter, 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.



LGX fiber optical splitter modules

Type	2-way*	3-way	4-way	6-way	8-way	16-way	32-way
Item no.	69902	69903	69904	69906	69908	69913	69917
Operating wavelength (nm)	1310 & 1490 & 1550	1310 & 1490 & 1550	1260 - 1650	1260 - 1650	1260 - 1650	1260 - 1650	1260 - 1650
Typical insertion loss (dB)	≤ 3.8	≤ 6.0	≤ 7.8	≤ 9.7	≤ 11.2	≤ 14.2	≤ 17.4
Typical uniformity (dB)	≤ 0.5	≤ 0.8	≤ 0.6	≤ 0.7	≤ 1.0	≤ 1.4	≤ 1.7
Polarization dependent loss (dB)	≤ 0.2	≤ 0.3	≤ 0.2	≤ 0.2	≤ 0.3	≤ 0.3	≤ 0.2
Return loss (dB)	≥ 50	≥ 50	≥ 55	≥ 55	≥ 55	≥ 55	≥ 55
Directivity (dB)	≥ 55	≥ 55	≥ 55	≥ 55	≥ 55	≥ 55	≥ 55
Operation temperature range (°C)	-10...70	-10...70	-40...85	-40...85	-40...85	-40...85	-40...85
Storage temperature range (°C)	-40...85	-40...85	-40...85	-40...85	-40...85	-40...85	-40...85
Port configuration	1 x 2	1 x 3	1 x 4	1 x 6	1 x 8	1 x 16	1 x 32
Connector type	SC/APC	SC/APC	SC/APC	SC/APC	SC/APC	SC/APC	SC/APC
Housing	1W LGX	1W LGX	1W LGX	1W LGX	1W LGX	2W LGX	3W LGX
Dimensions (H x W x D mm)	155.5x129x29	155.5x129x29	155.5x129x29	155.5x129x29	155.5x129x29	155.5x129x58	155.5x129x87

Additional material, ordering information:

69900 - OSP-LGX-03-EMPTY, LGX EMPTY cassette with 3 adapters
 69901 - OSP-LGX-BLIND - BLIND plate for LGX chassis
 69797 - 19" 3HE chassis-14-LGX - 19" cabinet for 14LGX modules
 69798 - 19" 1HE chassis-3-LGX - 19" cabinet for 3LGX modules

* 2-way series asymmetric split:

55/45% (69870), 60/40% (69871), 65/35% (69872), 70/30% (79873), 75/25% (79874), 80/20% (79875), 85/15% (79876), 90/10% (79877), 95/5% (79878)

* WDM filter:

1310/1550nm WDM in LGX cassette (69911)

Other types available on request