




PRODUCT FAMILY	DESCRIPTION
LGX OPTICAL MODULES	SPLITTERS
	FEATURES
	<ul style="list-style-type: none"> <li>&gt;&gt; Field proven full-blown technology</li> <li>&gt;&gt; Low insertion loss over whole temperature range</li> <li>&gt;&gt; From 1:2 split up to 1:16 split in one module</li> <li>&gt;&gt; Balanced and unbalanced models</li> </ul>

**SPECIFICATIONS**

LGX512 Optical splitter 1:2	
Enclosure	Single width LGX module
Wavelength range	1310 and 1550 nm
Band pass	±40 nm and ±40 nm
Insertion loss, 50/50 outputs	3.4/ 3.4 dB (max. 3.8/ 3.8 dB)
Directivity	50 dB
Return loss	45 dB
Number of optical ports	3

LGX522 Optical splitter 2x1:2	
Enclosure	Single width LGX module, two independent splitters in one module
Wavelength range	1310 and 1550 nm
Band pass	±40 nm and ±40 nm
Insertion loss, 50/50 outputs	3.4/ 3.4 dB (max. 3.8/ 3.8 dB)
Number of optical ports	6



<b>LGX514 Optical splitter 1:4</b>	
Enclosure	Single width LGX module
Wavelength range	1310 and 1550 nm
Band pass	$\pm 40$ nm and $\pm 40$ nm
Insertion loss	6.3 dB (max. 7.2 dB)
Number of optical ports	5

<b>LGX518 Optical splitter 1:8</b>	
Enclosure	Single width LGX module
Wavelength range	1310 and 1550 nm
Band pass	$\pm 40$ nm and $\pm 40$ nm
Insertion loss	9.7 dB (max. 10.8 dB)
Number of optical ports	9

<b>LGX51F Optical splitter 1:16</b>	
Enclosure	Double width LGX module
Wavelength range	1310 and 1550 nm
Band pass	$\pm 40$ nm and $\pm 40$ nm
Insertion loss	13.0 dB (max. 13.7 dB)
Directivity	50 dB
Return loss	45 dB
Number of optical ports	17



**” BALANCED AND UNBALANCED...**

Two way splitters in this brochure are balanced meaning equal insertion loss between input and output ports (also called 50/50). However, also unbalanced models such as 40/60, 30/70, 20/80 and 10/90 are available on request

GENERAL SPECIFICATION			
PARAMETER	VALUE	PARAMETER	VALUE
OPTICAL CONNECTOR	SC/APC	DIMENSION - SINGLE WIDTH MODULE	130(100) x 160 x 29 mm (h x d x w)
DIMENSION - DOUBLE WIDTH MODULE	130(100) x 160 x 58 mm (h x d x w)	WEIGHT - SINGLE WIDTH MODULE	0.2 kg
WEIGHT - DOUBLE WIDTH MODULE	0.3 kg	TEMP. RANGE	-20...+75 °C
OPERATING RELATIVE HUMIDITY	0...85 %		