



Rear Panel



Schematic Diagram BCSPLIT1x2

Specifications

The BCSPLIT1xN range is a passive device for the splitting of a single optical input power into multiple optical outputs and acts as a power splitter.

Based on planar lightwave circuit technology (PLC), BCSPLIT1xN, offers superior optical performance including low insertion loss and low polarisation dependent loss.

Wide operating wavelengths and temperature ranges ensures a highly reliable and stable optical performance for critical signal situations.

Ports	1x2	1x3	1x4	1x8
Insertion Loss (@23°C) dB	3.5	6.8	6.8	10.1
Insertion Loss (-40 to 85 °C) dB	3.7	7.1	7.1	10.4
Channel Uniformity dB	0.6	0.6	0.6	1.0
Polarisation Loss dB	0.2	0.2	0.2	0.2

Optical Specifications

Connector: Singlemode LC
Other connectors available on request.

Wavelength: 1260—1625 nm

Return Loss: > 50 dB

Directivity: > 55 dB

Max Optical Power: 300 mW

Operating Temp: -40 to 85 °C

Storage Temp: -40 to 85 °C

General card specifications

Depth 60 mm
Width 20 mm 4TE
Height 100 mm (3RU)
Weight 100 g

Ordering Information

BCSPLIT	1 input, 2 output Optical Splitter, each leg at 50% light level.	1 slot device.
BCSPLIT1x3	1 input, 3 output Optical Splitter, each leg at 33% light level.	1 slot device.
BCSPLIT1x4	1 input, 4 output Optical Splitter, each leg at 25% light level.	1 slot device.
BCSPLIT1x8	1 input, 8 output Optical Splitter, each leg at 12.5% light level.	1RU patch panel style device.

Please contact the Sales Office if other percentage splits or connector formats are required.

Universal Chassis and Power Supplies

BC100-3RU	19" 3RU Chassis for up to 15 BCxxx Cards with optional Network Monitoring and facility for Dual Redundant Power Supplies (not supplied).
BC100-3RU/48V	19" 3RU Chassis for up to 15 BCxxx Cards with optional Network Monitoring and facility for Dual Redundant Power Supplies (not supplied). Fitted with 48V dc input.
BM100	Network Monitoring Card with GPI Output on a SCSI Connector for Slot-16
BM101	Network Monitoring Card with Ethernet connection for Slot-16
BC140	Extender Card for BC100 3RU Chassis
PS65	90-250VAC Power Supply for BC100-3RU or BB100-3RU Chassis
BC160	19U Chassis for up to 6 BCxxx Cards. Includes Dual Redundant Power Supplies.
BC160P	19" 1RU Chassis for up to 6 Passive BCxxx Cards. No psu or monitoring capability.
BC110	Single Slot Chassis with Universal Mains Power Supply
BC120	Triple Slot Chassis with Universal Mains Power Supply