

PASSIVES DATA SHEET


3-Port Circulator (1, 2, 3, 4, and 6 Circulators)

Champion ONE's passive networking products for inside plant applications provide a cost-effective, high-reliability solution to fiber capacity challenges.

Technical Specifications

WAVELENGTH INFORMATION

Center wavelengths: 1550nm
Passband width: 1550 ± 30nm

FORM FACTOR AND CONNECTOR TYPES

Single-wide LGX
LC/UPC connectors

DIMENSIONS (LXWXH)

Body: 100 x 100 x 28.5mm
Faceplate: 130 x 28.5mm

TEMPERATURE RANGE

Operating: 0° C to 70° C
Storage: -40° C to 85° C

WARRANTY

All feature a limited 5-year warranty

COMPLIANCES

RoHS compliant
Telcordia GR-1209, GR-1221

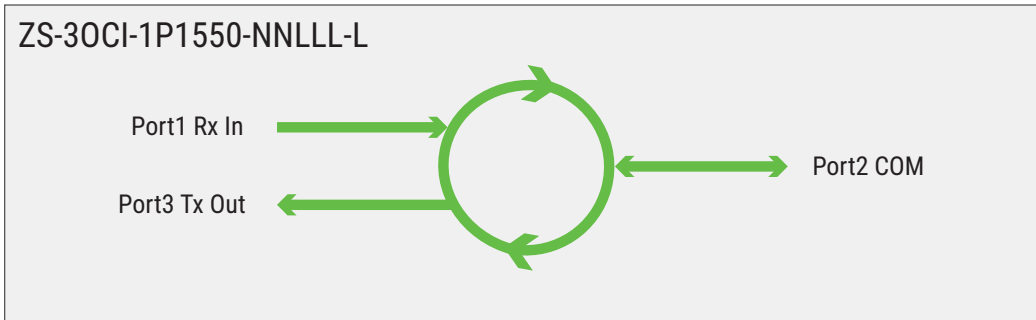
Parameter	Value
Port1 > Port2 Insertion Loss (dB)	≤ 1.2
Port2 > Port3 Insertion Loss (dB)	≤ 1.2
Crosstalk (dB)	≥ 50
Isolation (dB)	≥ 40 (typical: 50)

Parameter	Value
Polarization Dependent Loss (dB)	≤ 0.2
Return Loss (dB)	≥ 45
Polarization Mode Dispersion (ps)	≤ 0.2
Fiber Type	SMF-28 9 / 125 / 250 μm
Max Power Handling (mW)	300

Ordering Information

C1 Part Number	Description
ZS-30CI-1P1550-NNLLL-L	1 Circulator, 3 port, 1550nm, premium, LC/UPC, LGX
ZS-30CI-2P1550-NNLLL-L	2 Circulators, 3 port, 1550nm, premium, LC/UPC, LGX
ZS-30CI-3P1550-NNLLL-L	3 Circulators, 3 port, 1550nm, premium, LC/UPC, LGX
ZS-30CI-4P1550-NNLLL-L	4 Circulators, 3 port, 1550nm, premium, LC/UPC, LGX
ZS-30CI-6P1550-NNLLL-L	6 Circulators, 3 port, 1550nm, premium, LC/UPC, LGX

Network Diagram



Mounting Options

For convenient deployment in a standard 19" rack, Champion ONE also offers the following range of chassis and faceplate options (ordered separately from mux).



Parameter	Value
C1 Part Number	ZS-LGX3R-14S-CHASSIS-1923
Description	LGX 3RU Chassis for 14 LGX Modules and fiber mgmt. - 19 or 23" rack

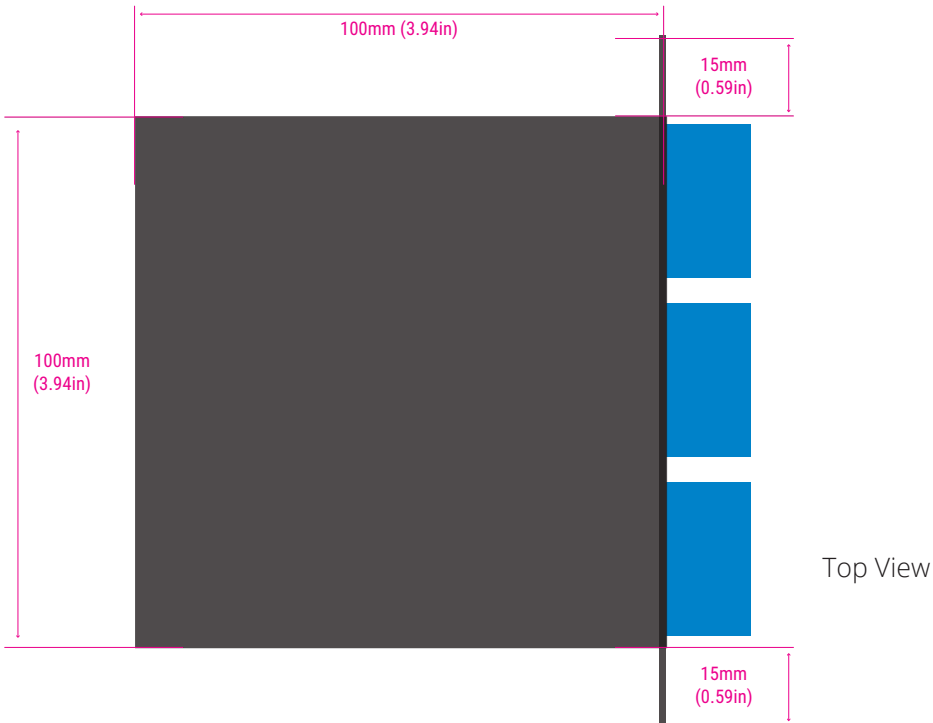
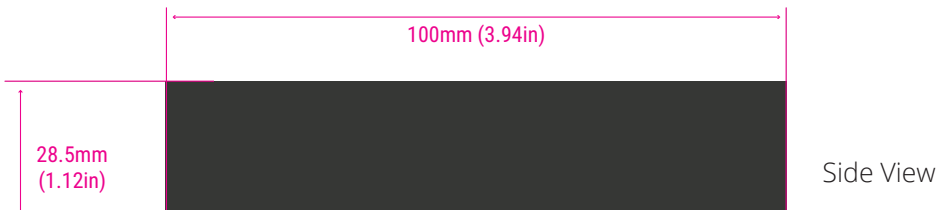
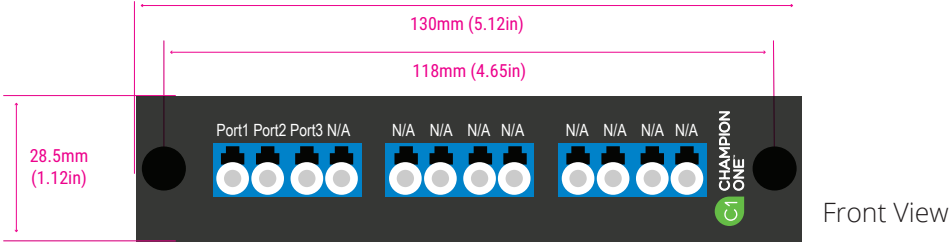
Parameter	Value
C1 Part Number	ZS-LGX1R-3S-CHASSIS-1923
Description	LGX 1RU Chassis for 3 LGX Modules and fiber mgmt. - 19 or 23" rack



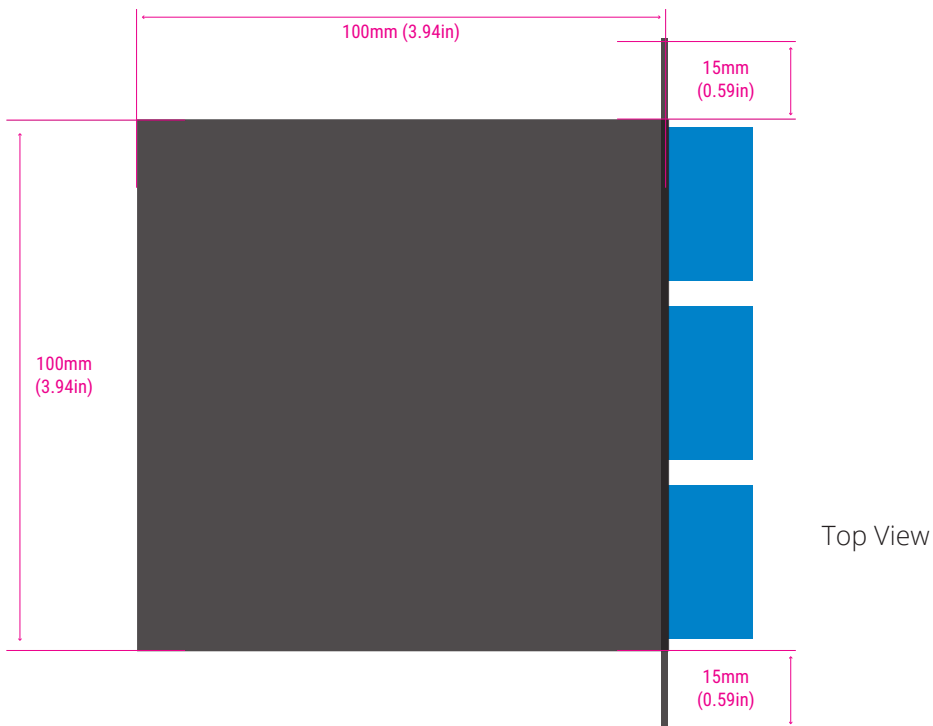
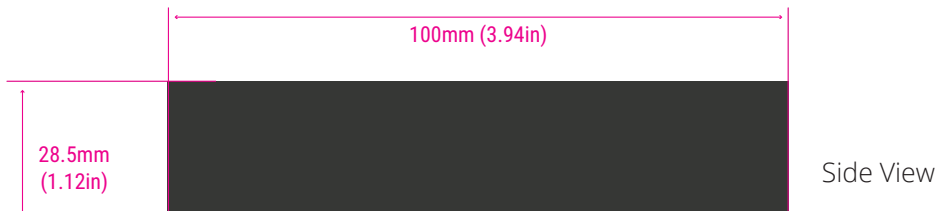
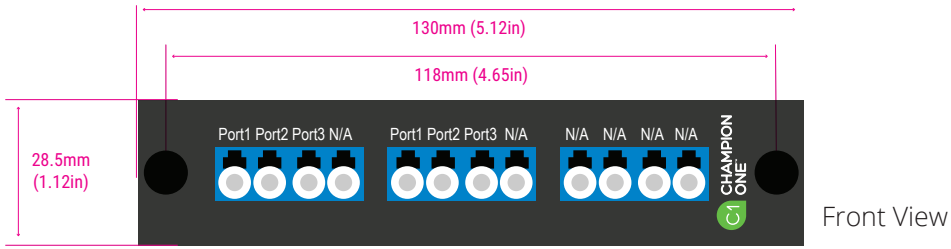
Parameter	Value
C1 Part Number	LGX1R-FACEPLATE
Description	3-Slot LGX Faceplate for 19" rack

Physical Diagrams

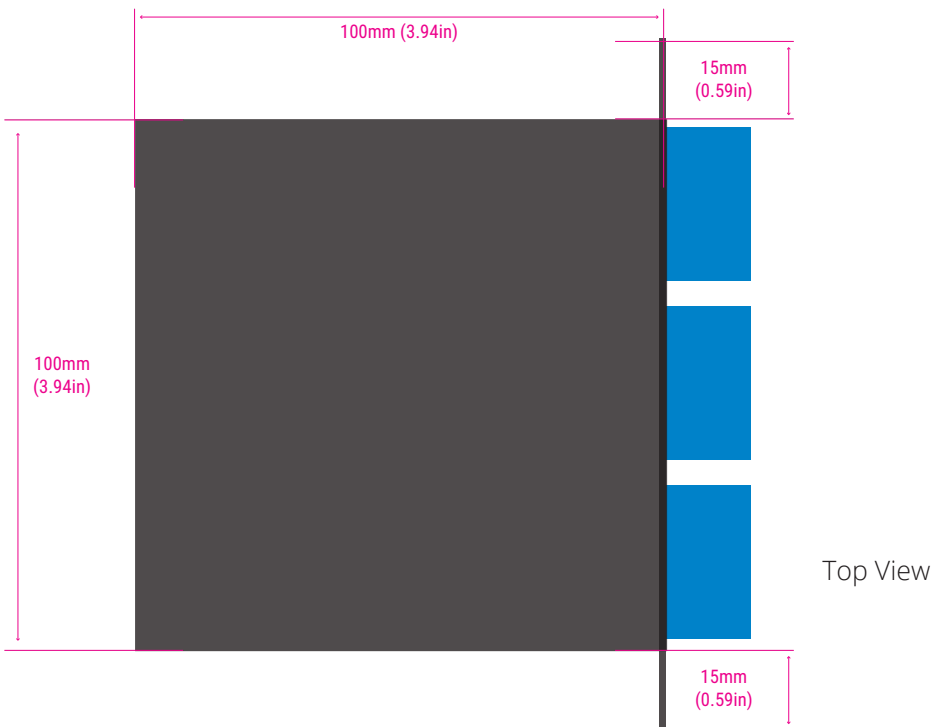
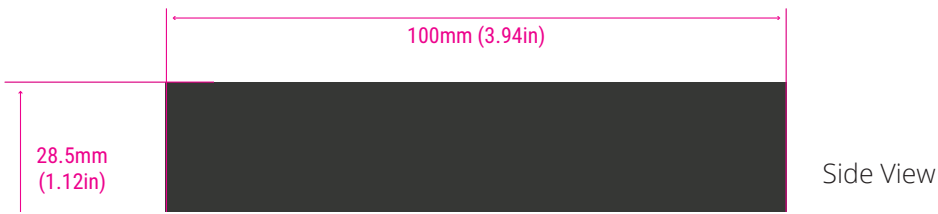
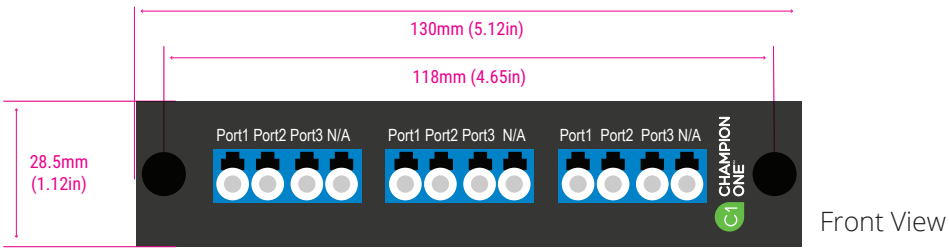
ZS-30CI-1P1550-NNLLL-L



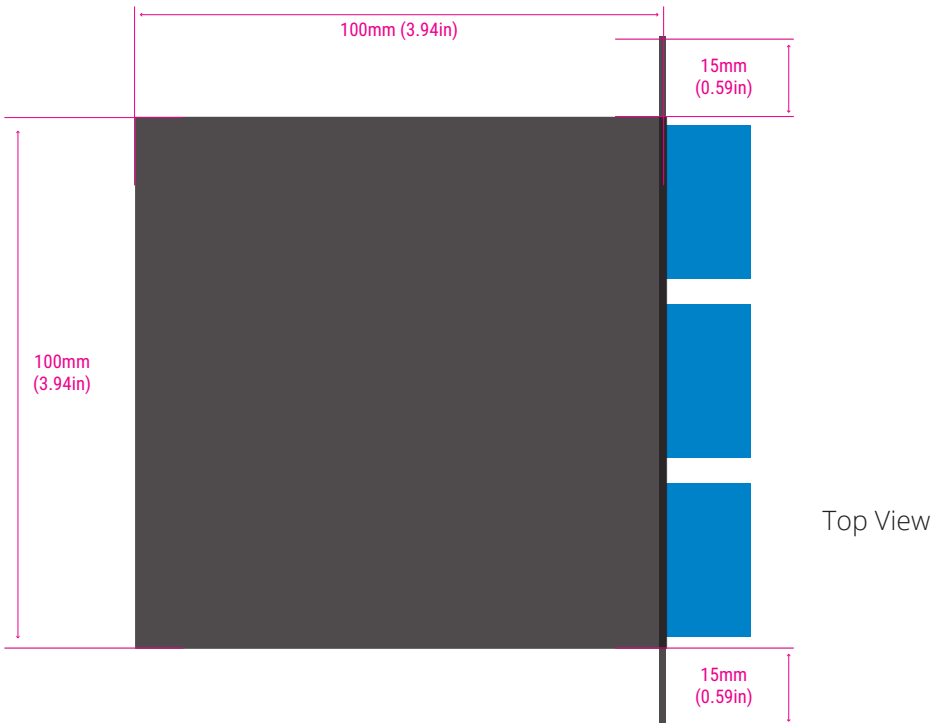
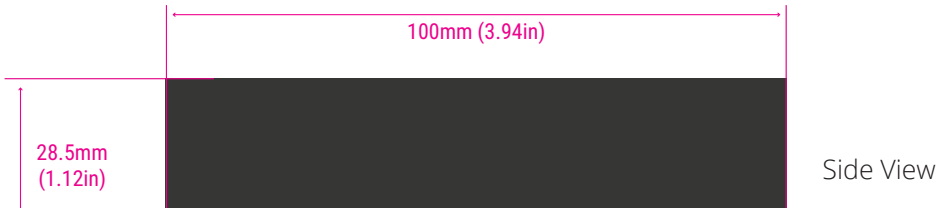
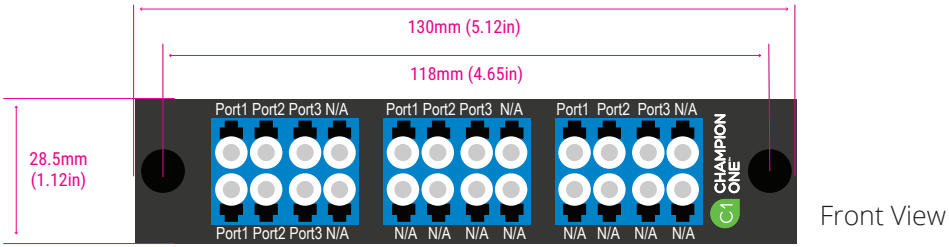
ZS-30CI-2P1550-NNLLL-L



ZS-30CI-3P1550-NNLLL-L



ZS-30CI-4P1550-NNLLL-L



ZS-30CI-6P1550-NNLLL-L

