

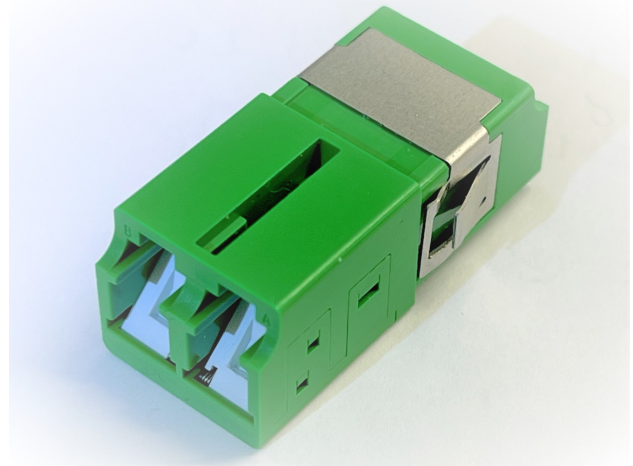
165-04 Series LC-QR™ Duplex Adaptor



The Ridgemount LC-QR™ Duplex Adaptor is a standard LC Adaptor incorporating an internal dust defensive shutter to help protect the internal connector from contamination when unmated.

The adaptor has been designed to be used with the LC-QR connector that will disconnect when pulled with out any damage to the adaptor or connector latch.

The unique shutter design provides protection for laser eye safety and against dust ingress.



Applications

- OEM Internal Equipment
- FTTH Terminal Enclosures
- Patch Panel Front Plates

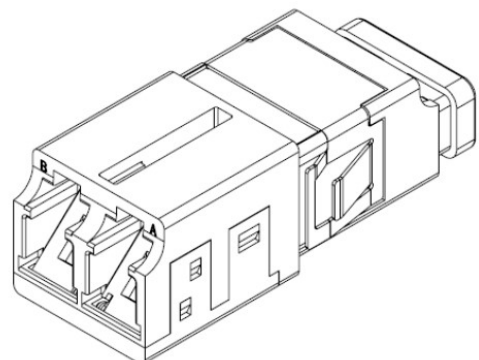
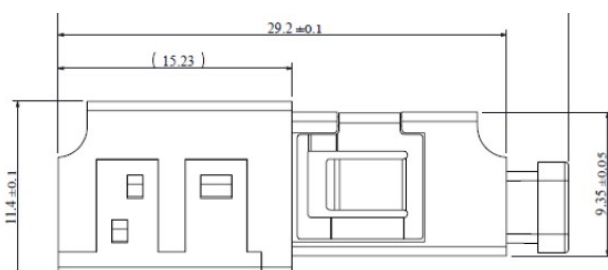
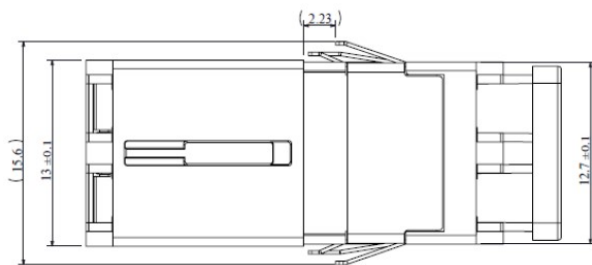
Features

- Alternative to standard adaptors
- Patented shutter
- Non contact shutter
- Small footprint In-Line Adaptor

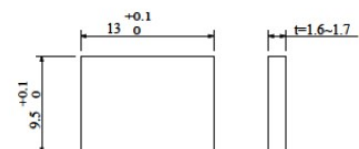
Benefits

- Dust Protection to GR326 - ISO 12103-A2 fine test dust.
- Eye Safety Built-In
- Ideal for LC-QR and LC-TT connectors
- Compatible with standard LC connectors

Schematic



The suggested metal panel cutout dimensions:



165-04 Series LC-QR™ Duplex Adaptor



Technical Specification

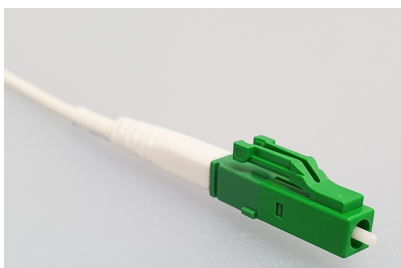
165 Series	LC-QR Adaptor	PERFORMANCE
Plug Adaptor	IEC 61754-20	LC Ferrule
Connector Material	Plastic	TPE
Optical Alignment	Physical Contact	PC & APC options
Ferrule / 'C' Sleeve	Zirconia Ceramic	OD1.25mm ferrules
Fibre Channels	Two	One
Adaptor Profile	Duplexx	13.1 x 11.4mm
Total Length	Adaptor only	29.2mm
Optical Performance - <i>subject to termination method and fibre grade ; when used with Ridgemount LC Connectors</i>		
Insertion Loss [Max]	IEC 61300-3-4	≤0.25dB
Insertion Loss [Typical]	IEC 61300-3-4	≤0.12dB
Insertion Loss [Random]	IEC 61300-2-40/41	≤0.25dB >97%
Return Loss	IEC 61300-3-6	UPC>55dB; APC>65dB
Repeatability	IEC 61300-2-2	±0.2dB / 500 matings
End Face Symmetry	IEC 61755-2-1	Radius: Offset: Height:
Mechanical Performance - <i>subject to termination method and fibre grade .</i>		
Vibration	IEC 61300-2-1	10Hz – 55Hz
Durability	IEC 61300-2-2	x 500 matings
Impact	IEC 61300-2-12	5 Drops (1.5m)
Fibre Retention	IEC 61300-2-4	≤30N with Ridgemount 900µm
Environmental Performance - <i>subject to termination method and fibre grade .</i>		
Operational Temperature	IEC 61300-2-22	±0.2dB (-40°C to +85°C)

Ordering Information

LC-QR Duplex Adaptor	
Part Number	Description
165 9000 05	Adaptor LC-QR Duplex - Shutter - Green

Complimentary Products

LC-QR Connector for rapid disconnect applications.



LC-QR Simplex Shuttered Adaptor

