



Optical EMI Adapters

- 106115** LC Duplex
- 106123** LC Quad
- 106114** MPO
- 106116** SC

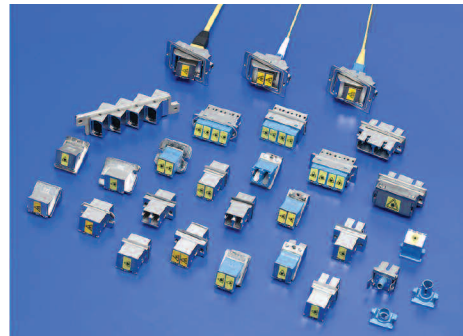
FEATURES AND SPECIFICATIONS

Minimize EMI and RFI emissions using EMI Shielding optical adapters

EMI (Electro Magnetic Interference) shielding adapters are designed to address mechanical design requirements to limit EMI emissions from the equipment front panel or enclosures. The adapters are constructed of either all die-cast housings or as a half die-cast, half polymer housing. Both housings have an EMI gasket that seals the adapters to the panel. The polymer adapter housing provides color coding (blue, beige or green depending on the required application) and significantly increased durability performance. EMI adapters increase the shielding effectiveness while enhancing the front-panel aesthetics compared to traditional plastic adapters.

Our extensive, and growing adapter product-line offering includes LC Duplex, LC Quad, MPO, SC and Universal EMI adapter styles. The family includes both straight and angled-mount adapters in both snap-in and screw-mount configurations. The straight-mount designs meet industry standard mounting dimensions. The angled-mounting design cut-outs are unique to each adapter. External shutters are standard on most adapters, ensuring dust protection and eye-laser safety.

For more information on Optical EMI Adapters, please visit: www.molex.com/product/fiber/emiadapters.html.



Features and Benefits

- Die-cast adapter housings provide superior shielding effectiveness
- Aperture is reduced to the minimum possible size to minimize EMI emissions
- EMI gaskets included create an EMI seal between the adapter and the mounting surface
- Safety shutters included provide dust protection, eye safety and reduce EMI when no connector is installed
- Screw or snap mount styles available provide mounting flexibility
- Straight or 45° mounting orientations allow for lower cable exit profile

SPECIFICATIONS

Reference Information

Packaging: Bag
 Mates With: LC Duplex, SC, MPO connectors
 Designed In:
 LC Duplex, LC Quad, MPO – Millimeters
 SC – Inches

Mechanical

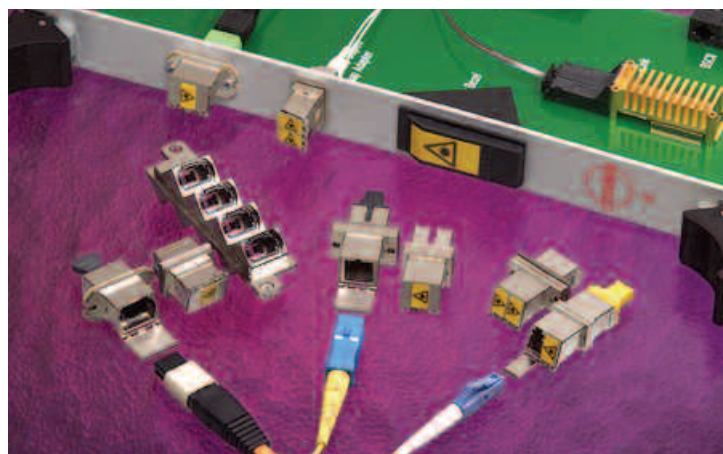
Mating Durability: IL<0.2dB over 200 cycles

Physical

Adapter Housing:
 LC Duplex, MPO, SC – Zinc Die-cast
 LC 45°, LC Quad – Zinc Die-cast/Polymer
 Plating: Electroless Nickel
 Alignment Sleeve: Zirconia Ceramic
 Operating Temperature: -40 to +80° C
 Mates with: Industry standard fiber optic connectors

APPLICATIONS

- Telecommunication
 - High-speed line cards
 - Server blades
 - Router connections
- Storage
 - ATM equipment
 - Gigabit Ethernet testing equipment
- Other Markets
 - Test equipment
 - Any front panel application where EMI is an issue (Offers a more robust and visually appealing adapter than traditional plastic adapters)



ORDERING INFORMATION

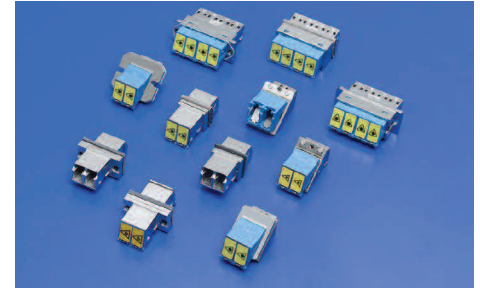


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LC Duplex EMI Adapters

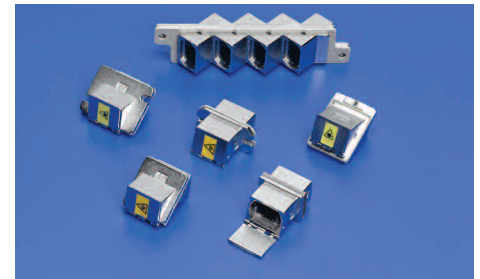
Order No.	Cable Type	Mount Style	Mount Angle	Shutter	Mount From	
106115-3100	Duplex	Screw	45°	One Side	Front/Rear	
106115-4100		Snap				
106115-1100		Screw	Straight	None		
106115-1110				One Side		
106115-1120				Two Sides		
106115-2100				None		
106115-2110		Snap	Straight	One Side		
106115-2120				Two Sides		
106115-3200		Single Screw	45°	One Side		Rear Only
106123-0500		Quad	Snap	Straight		One Side
106123-0600	Rear					
106123-0700						



LC Duplex EMI Adapters

MPO EMI Adapters

Order No.	Cable Type	Mount Style	Mount Angle	Shutter	Mount From
106114-1100	Simplex	Screw	Straight	One Side	Front/Rear
106114-1200		Snap			
106114-3000		Screw	45°		Front
106114-4000		Snap			Rear
106114-0100		Single Screw			
106114-3200	Quad	Screw	Straight	None	



MPO EMI Adapters

SC EMI Adapters

Order No.	Cable Type	Mount Style	Mount Angle	Shutter	Mount From
106116-2000	Simplex	Snap	Straight	One Side	Front/Rear
106116-2100		Screw			
106116-4500		Single Screw	45°		Rear
106116-1000	SC Duplex EMI Adapter	Snap/Screw	Straight	Snap-On	Front



SC EMI Adapters

Other EMI Adapters

Order No.	Adapter	Mount Style	Mount Angle	Shutter	Mount From
106100-9000	Multi-Format (LC to LC/MU/LX.5)	Single Screw	45°	One Side	Rear
106114-9500	MPO Swivel	Screw	Straight		
106115-9500	LC Swivel				
106116-9500	SC Swivel				



Multi-Format EMI Adapter



Swivel EMI Adapter

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Visit our Web site at <http://www.molex/product/fiber/emiadapter.html>