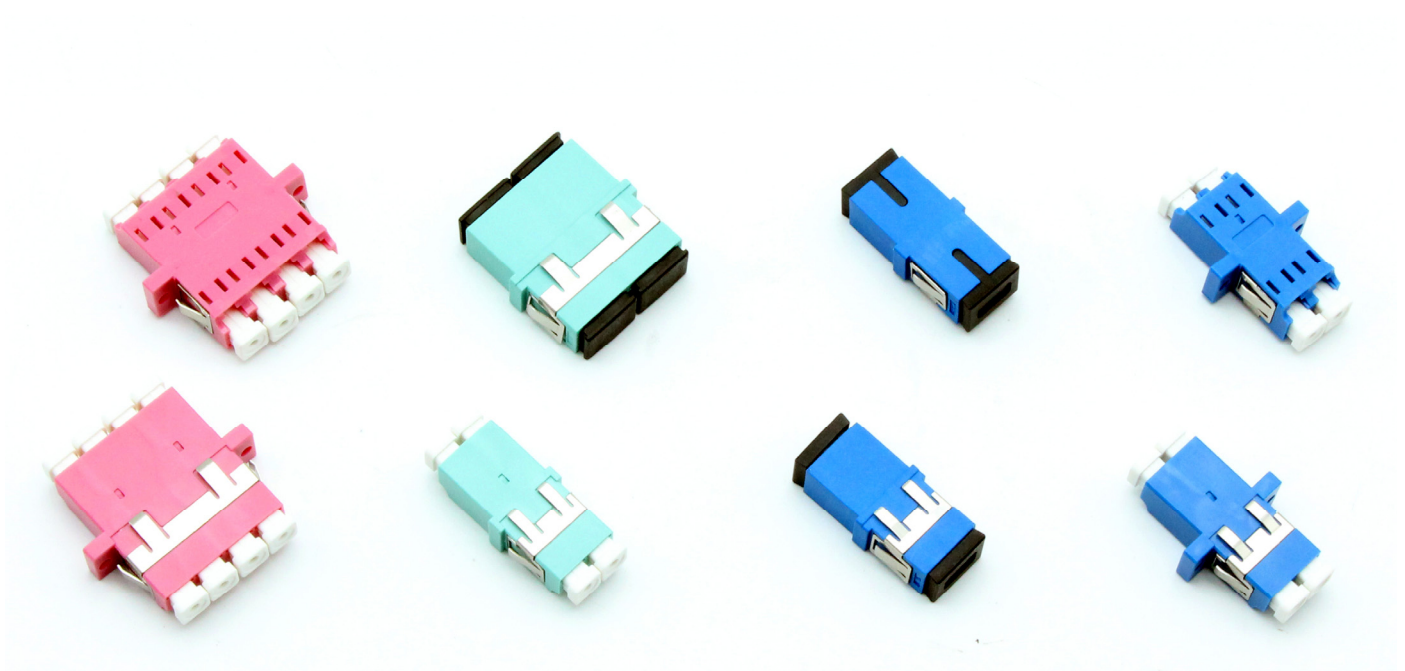


DATASHEET

TF type SC&LC adapter

Make Idea Connection.



RoHS



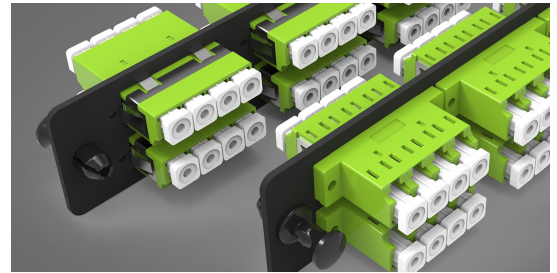
OMC INDUSTRY CO.LIMITED

Description

TF Type LC&SC Fiber Adapter are developed to couple and mate 2/4/8 SC&LC connector plugs. Each TF Type Fiber adapter have 4pcs stainless steel mounting clips/hooks allowing it to be easily snapped into rectangular cut outs and fix very well and stable.

Our range of high-quality TF Type Fiber adapters have high precision alignment sleeves for reliability and improved reconnect ability. For single mode and multimode applications, a ceramic sleeve is supplied. The housing is available in different colors with options for flange or flangeless body.

OMC Adapters design, material and manufacturing process assure long life and high repeatability of optical performances even for different brand connectors mating.



Products Materials

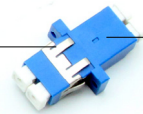
Parts name	Material	Color
Housing body	High quality PC(UL-94V0)	Blue, Green, Beige, Aqua, Magenta or Customized
Sleeve	High precision Ceramic sleeve	White
Inside hook	PBT/PEI	Blue, Green, Beige, Aqua, Magenta or Customized
Metal Plate	Stainless steel	-
Dust Cover	PE/ABS	White or Customized

Products Highlights

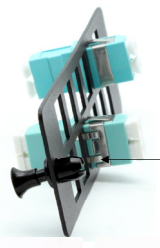
**1, Square Dust cap
Tight and won't loosen**



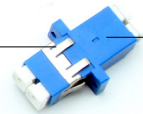
**2, OEM brand can be
sculptured here!**



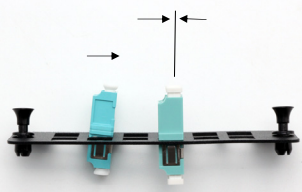
**4, Stainless Metal clip,4
hooks
Left x 1
Right x 1**



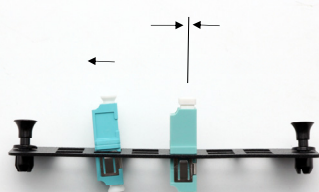
**3, One-piece design
High quality PC(UL-94V0)**



5, Fix very well and stable.



**6, No need to screw it in to panels.
Just a press is finished install.
Saving much INSTALLATION TIME.**



Standard LC



TF Type LC



Standard LC



TF Type LC



Optical Specifications

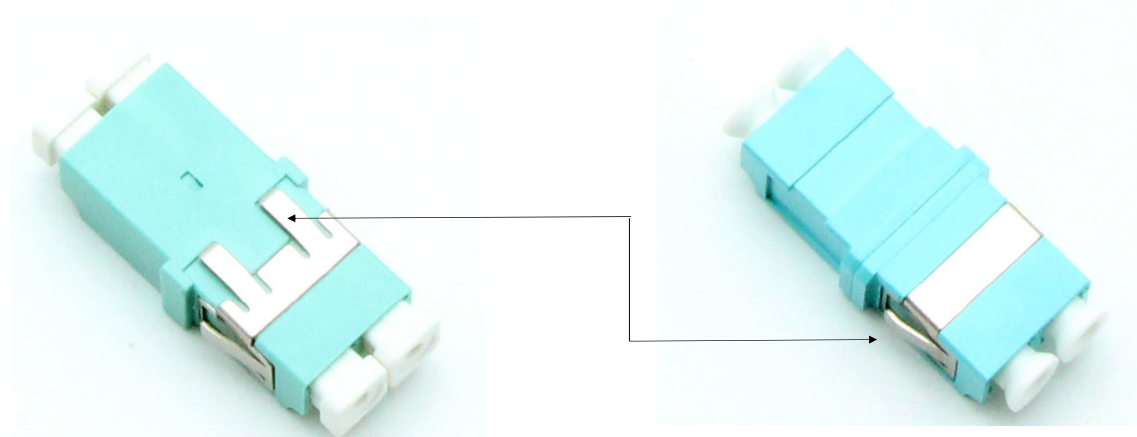
Test item	(SM-9/125) UPC	(SM-9/125) APC	MM PC
Insertion Loss	$\leq 0.2\text{dB}$	$\leq 0.2\text{dB}$	$\leq 0.1\text{dB}$
Return Loss	$\geq 50\text{ dB}$	$\geq 60\text{ dB}$	$\geq 35\text{ dB}$
Durability (500 Mating)	0.1dB Max.		
Withdrawal force (g/f)	2.0N ~ 5.9N (200gf ~ 600gf)		
Storage Temp (°C)	-40 ~ +85		

Available for Simplex of SM UPC, SM APC, MM OM1 62.5/125, MM OM2,OM3,OM4 50/125,OM5 50/125

Environment and Mechanical

Properties	Test condition	Conformance	Test result
Vibration	10-55Hz, 1.5mm, 60min	IEC61300-2-1	$\leq 0.2\text{dB}$
Mating Durability	1000 Mating, clean every 25 mating.	IEC61300-2-2	$\leq 0.2\text{dB}$
Impact	1.5m, 8 drops	IEC61300-2-6	$\leq 0.2\text{dB}$
Strength of Coupling Mechanism	40N, 10Min, L=22-28cm	IEC61300-2-12	$\leq 0.2\text{dB}$
Temperature Cycling	40°C to +75°C, 40 cycles	IEC61300-2-22	$\leq 0.2\text{dB}$
Temperature humidity cycling	40°C, 95%, 96Hr	IEC61300-2-21	$\leq 0.2\text{dB}$
Operating Temperature	-40°C to +85°C		$\leq 0.2\text{dB}$
Storage Temperature	-40°C to +85°C		$\leq 0.2\text{dB}$

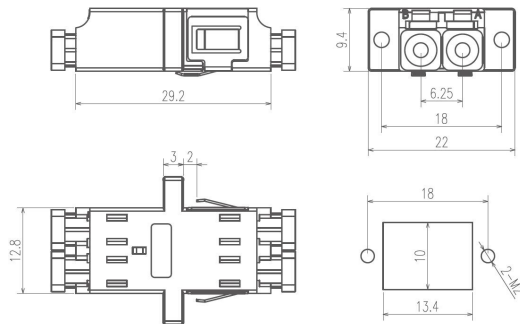
The difference between Standard SC/LC adapter and TF type SC/LC adapter



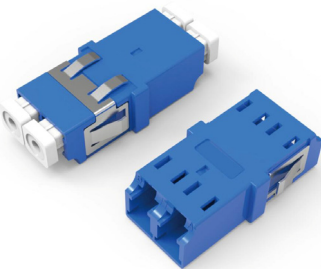
Products Details



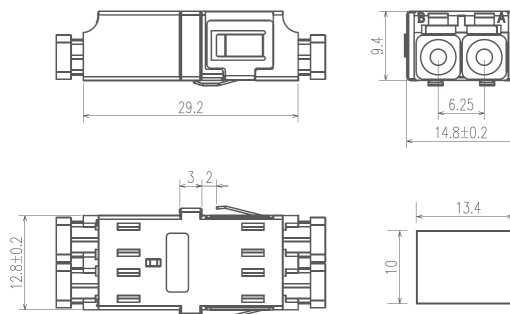
LC Duplex SC Footprint adapter with Full Flange



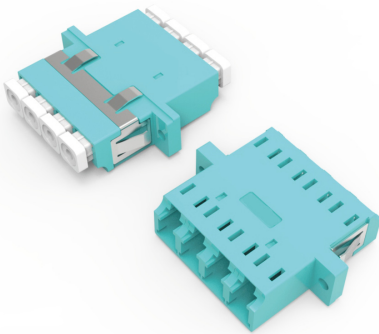
Fiber Mode	Part No.	Color
SM/UPC	H82111	Blue
SM/APC	H82113	Green
OM1/OM2	H82112	Beige
OM3	H82114	Aqua
OM4	H82115	Magenta
OM5	H82116	Lemon green



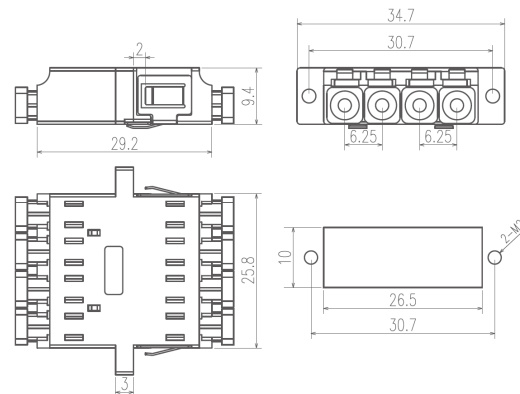
LC Duplex SC Footprint adapter with reduced Flange



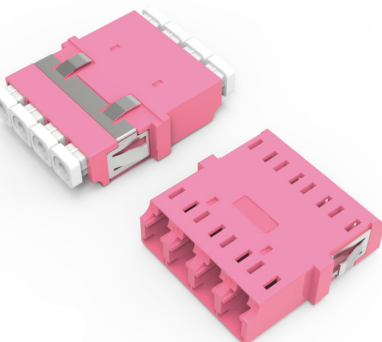
Fiber Mode	Part No.	Color
SM/UPC	H82121	Blue
SM/APC	H82123	Green
OM1/OM2	H82122	Beige
OM3	H82124	Aqua
OM4	H82125	Magenta
OM5	H82126	Lemon green



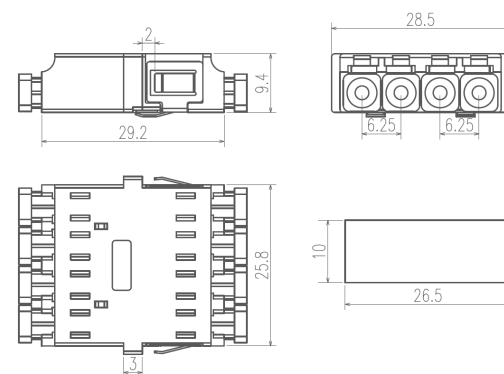
LC Quad SC Footprint adapter with Full Flange



Fiber Mode	Part No.	Color
SM/UPC	H83111	Blue
SM/APC	H83113	Green
OM1/OM2	H83112	Beige
OM3	H83114	Aqua
OM4	H83115	Magenta
OM5	H83116	Lemon green

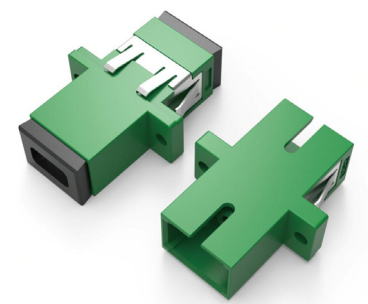


LC Quad SC Footprint adapter with reduced Flange

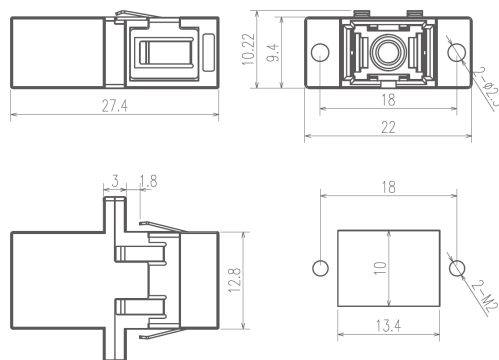


Fiber Mode	Part No.	Color
SM/UPC	H83121	Blue
SM/APC	H83123	Green
OM1/OM2	H83122	Beige
OM3	H83124	Aqua
OM4	H83125	Magenta
OM5	H83126	Lemon green

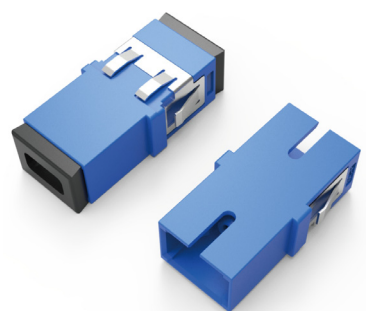
Products Details



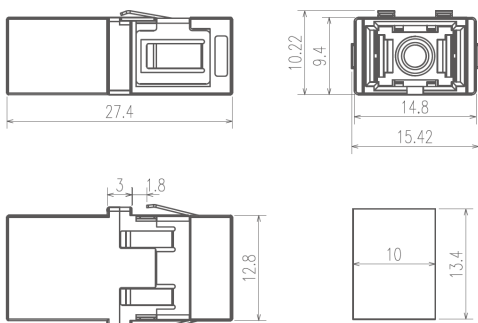
TF Type SC Simplex adapter with Full Flange



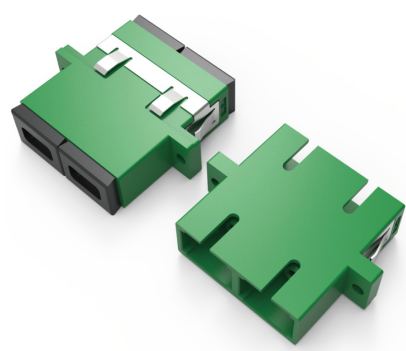
Fiber Mode	Part No.	Color
SM/UPC	H81211	Blue
SM/APC	H81213	Green
OM1/OM2	H81212	Beige
OM3	H81214	Aqua
OM4	H81215	Magenta
OM5	H81216	Lemon green



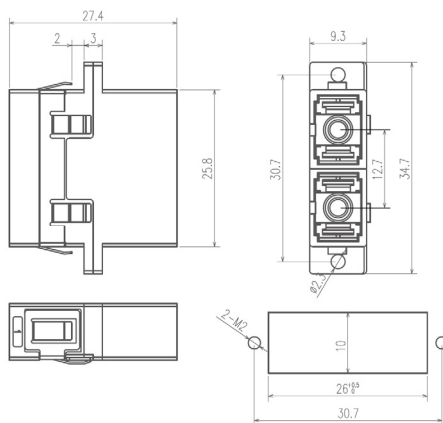
TF Type SC Simplex adapter with reduced Flange



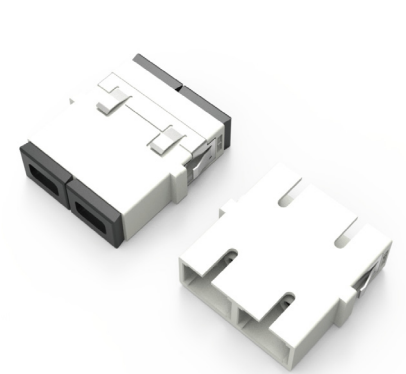
Fiber Mode	Part No.	Color
SM/UPC	H81221	Blue
SM/APC	H81223	Green
OM1/OM2	H81222	Beige
OM3	H81224	Aqua
OM4	H81225	Magenta
OM5	H81226	Lemon green



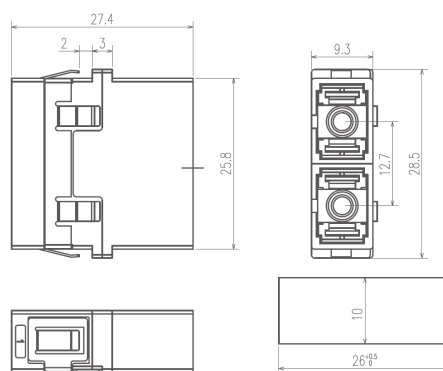
TF Type SC Duplex adapter with Full Flange



Fiber Mode	Part No.	Color
SM/UPC	H82211	Blue
SM/APC	H82213	Green
OM1/OM2	H82212	Beige
OM3	H82214	Aqua
OM4	H82215	Magenta
OM5	H82216	Lemon green



TF Type SC Duplex adapter with reduced Flange



Fiber Mode	Part No.	Color
SM/UPC	H82221	Blue
SM/APC	H82223	Green
OM1/OM2	H82222	Beige
OM3	H82224	Aqua
OM4	H82225	Magenta
OM5	H82226	Lemon green

Application:

Patch panels, ODF and other optical connections.
Optical networks demarcation and monitoring point

Order index

Products	-	Ports	-	Fiber Port	-	Flange type	-	Body Color
H8- TF Type Fiber Adapter		1-Simplex		1- LC		1-Full Flange		1-Blue
		2-Duplex		2-SC		2-Reduced Flange		2-Beige
		3-Quad						3-Green
								4-Aqua
								5- Magenta
								6-Lemon Green