

DATASHEET

MT-RJ Fiber Adapter



RoHS



OMC INDUSTRY CO.LIMITED

Description

MT-RJ Adapter are developed to couple and mate two duplex **MTRJ** connector plugs. (Each single MTRJ connector is actually duplex, containing two fibers.)

Instead of alignment sleeves in the adapter, MTRJ connectors are designed to use alignment pins. There are two holes visible in the face of the connector. Contrary to first impressions, these are not for the light signals, but are to accept the alignment pins. When using a MTRJ-MTRJ adapter, it is necessary to insert two alignment pins in (only) one of the connectors. These pins will mate with the holes in the MTRJ connector inserted from the other side of the adapter, ensuring proper alignment of the two (almost invisible) fibers.

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	Polymer	Black
Dust Cover	PBT/ABS	Black

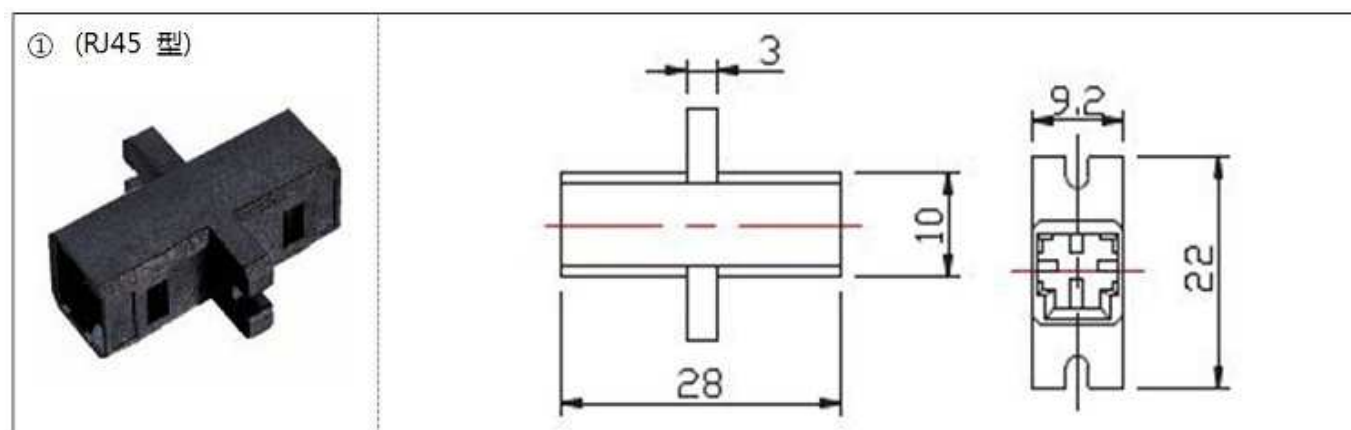
Optical Specifications

Test item	(SM-9/125) UPC	(SM-9/125) APC	MM PC
Insertion Loss	$\leq 0.2\text{dB}$	$\leq 0.2\text{dB}$	$\leq 0.2\text{dB}$
Return Loss	$\geq 45\text{ dB}$	$\geq 45\text{ dB}$	$\geq 20\text{ dB}$
Durability (500 Mating)	0.1dB Max.		
Withdrawal force (g/f)	2.0N ~ 5.9N (200gf ~ 600gf)		
Storage Temp (°C)	-40 ~ +85		

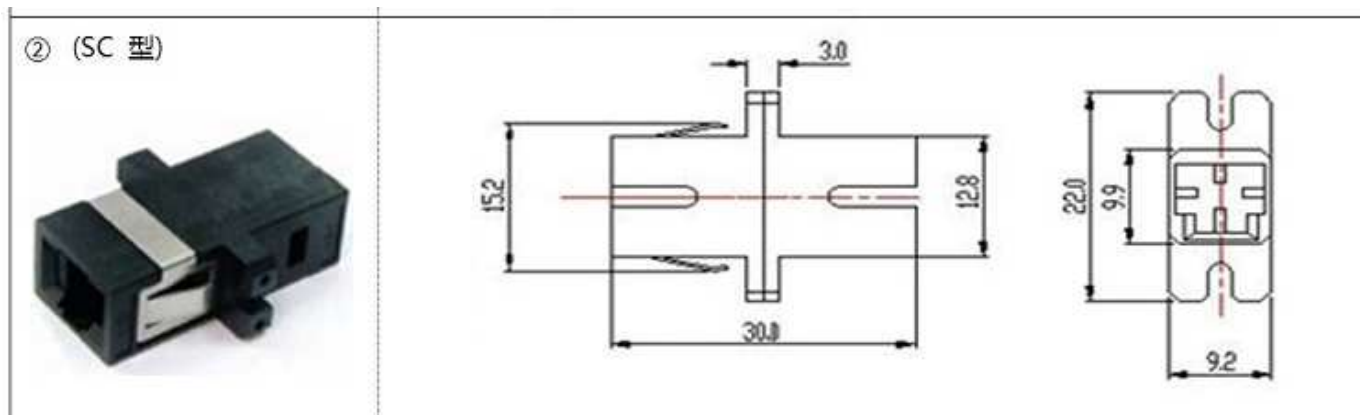
Available for Simplex of SM UPC, SM APC, MM OM1 62.5/125, MM OM2,OM3,OM4 50/125

Products Details

Standard RJ-45 type MTRJ Adapter



SC Footprint Type MTRJ Adapter



Features:

- Plug-jack (RJ-45) design
- Precision connection with sleeve
- SM and MM connector can be used interchangeably
- Low insertion loss, High Return loss
- Good interchangeability and reliability
- Meet IEC and ROHS standards
- High precision of mechanical dimensions Accuracy

Application:

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

Order index

Products	-	Ports	-	Fiber Port	-	Structure	-	Cap Color
H6- Fiber adapter		1-Duplex		6 - MTRJ		1- RJ 45 2- SC footprint		1 - Black