SPECIFICATION

MINI IP MPO WATERPROOF ADAPTER-12C&24C





Description

Mini IP MPO Waterproof adapter provides alignment for a male and female Mini IP MPO connector. It works for 12 fibers & 24 fiber, widely used in FTTA Project,MST box.

MPO/MTP fiber optical adapter comply with industry standard TIA - 568C. 3-2008 (standard of fiber optical system) and YD/T1272.5-2009 (fiber optical connector part v: MPO style).

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

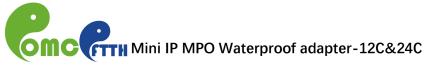
Products Materials

Parts name	Material	Parts name	Material
Adapter body	PC+ABS	Adapter body screw	PBT&PC+ABS
Waterproof Dust Cover	PC	Sling	Silica gel
Dust Cover	TPV	Waterproof gasket	Silica gel

Optical Specifications

Connector Type	MPO	Keyway	Opposed (Up-Down)
Adapter Port	Single	Protection level	IP67 or IP68
Insertion Loss	≤0.3dB	Durability	≤0.1dB
Flammability Rate	UL94-V0	Working Temperature	-25~70°C





Features:

Complies with IEC 61754-4 standard
Available in Flanged and Flangeless options
Push-pull locking mechanism for easy installation
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

Environment and Mechanical Testing

Test condition	Conformance	Test result
Frequency: 10-55Hz, amplitude: 1.5mm, vibrate for 2 hours in the X, Y, and Z directions, and test the insertion loss after each spindle vibration ends	IEC61300-2-1,GR 326	Changes in IL before and after the experiment ≤0.2dB
500 Mating, clean every 10 mating.	IEC61300-2-2,GR 326	Changes in IL before and after the experiment ≤0.2dB
1.5m, 8 drops	IEC61300-2-6,GR 326	Changes in IL before and after the experiment ≤0.2dB
40N, 10Min, L=22-28cm	IEC61300-2- 12,GR 326	Changes in IL before and after the experiment ≤0.2dB
40°C to +75°C, 40 cycles,168hours	IEC61300-2- 22,GR 326	Changes in IL before and after the experiment ≤0.2dB
Temperature: -10 °C~+65 °C Humidity: 90% -100% RH Time: 168 hours	IEC61300-2- 21,GR 326	Changes in IL before and after the experiment ≤0.2dB
Condition: Load 0.9 kilograms, repeat 100 cycles at 0 °C, 90 °C, 0 °C, -90 °C, and 0 °C	GR 326	≤Changes in IL before and after the experiment ≤0.2dB
Insert the Connector horizontally at a speed of 10mm/S and test the insertion force	IEC61754	Changes in IL before and after the experiment ≤0.2dB
The water surface should be at least 0.15 meters above the top of the shell, and the bottom of the shell should be at least 1 meter above the water surface for 8 hours.	IP67	There are no water stains inside before and after the experiment
	1.5mm, vibrate for 2 hours in the X, Y, and Z directions, and test the insertion loss after each spindle vibration ends 500 Mating, clean every 10 mating. 1.5m, 8 drops 40°C to +75°C, 40 cycles,168hours Temperature: -10 °C∼+65 °C Humidity: 90% -100% RH Time: 168 hours Condition: Load 0.9 kilograms, repeat 100 cycles at 0 °C, 90 °C, 0 °C, -90 °C, and 0 °C Insert the Connector horizontally at a speed of 10mm/S and test the insertion force The water surface should be at least 0.15 meters above the top of the shell, and the bottom of the shell should be at least 1 meter above the water sur-	Frequency: 10-55Hz, amplitude: 1.5mm, vibrate for 2 hours in the X, Y, and Z directions, and test the insertion loss after each spindle vibration ends 500 Mating, clean every 10 mating. 1.5m, 8 drops 1.5m, 8 drops 1.5m, 8 drops 1EC61300-2-2,GR 326 1EC61300-2-6,GR 326 1EC61300-2-12,GR 326 1EC61300-2-