

F-SMA Connectors & Receptacles

Features

- Super high precision
- Waterproof
- ZrO₂ ferrule



Specifications

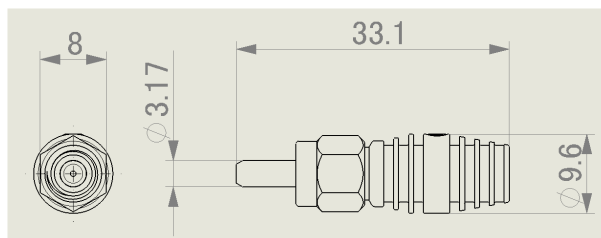
Items	Specified values	Remark
Applicable standard	IEC 61754-22	
Connection	Screw coupling	Recommended tightening torque 0.40 – 0.45 N·m
Operating temperature range	-40° C ~ 100° C	
Strength of coupling mechanism	> 300 N	
Mechanical operation (repeated)	500 times	
Cable connecting force	> 300 N	Assembled with fiber protect tube
Waterproof performance	IP 67	
Insertion Loss	< 2 dB	Depends on fiber spec
Corrosion resistance	48h	Salt mist

Connectors

Model number	Fiber sizes Core / Clad : μm	Ferrule Inner diameter : mm	Fiber protect tube Inner / Outer / Jacket : mm
FSMAP-Z200	200 / 240	0.242 +0.005 , -0	φ 1.5 / φ 2.6 / φ 3.4
FSMAP-Z600	600 / 660	0.671 +0.008 , -0	φ 3.0 / φ 4.6 / φ 5.5
FSMAP-Z1500	1500 / 1550	1.579 +0.008 , -0	φ 3.0 / φ 4.6 / φ 5.5

Figure (mm)

FSMAP—*



Receptacle

Model number	Specifications	Figure (mm)
FSMAJ—B4	<ul style="list-style-type: none"> Waterproof Fixed with four screws 	

Adapter

Model number	Specifications	Figure (mm)
FSMAJ—J	<ul style="list-style-type: none"> Waterproof Fixed with four screws 	

Accessories

Model number	Specifications	Figure (mm)
DC—P01	Dust cap FSMAP & CHP applicable	
DC—J01	Dust cap FSMAJ & CHJ applicable	

Note

- When not in use, the ends of the optic fiber and receptacles should be covered with the dust caps to protect the connectors from dirt and contamination.
- Do not bend an optic fiber and a fiber protect tube less than minimum bending radius of the optic fiber.