

F-SMA Connectors & Receptacles

Features

- Super high precision
- Waterproof
- ZrO₂ ferrule



Specifications

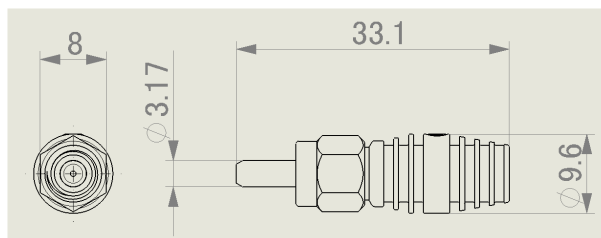
| Items | Specified values | Remark |
|---------------------------------|------------------|--|
| Applicable standard | IEC 61754-22 | |
| Connection | Screw coupling | Recommended tightening torque 0.40 – 0.45 N·m |
| Operating temperature range | -40° C ~ 100° C | |
| Strength of coupling mechanism | > 300 N | |
| Mechanical operation (repeated) | 500 times | |
| Cable connecting force | > 300 N | Assembled with metal protection 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 | Metal protection 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 metal protection tube less than minimum bending radius of the optic fiber.