

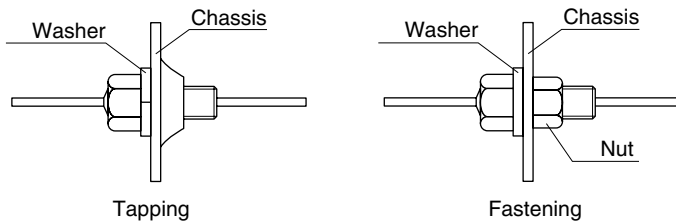
HANDLING PRECAUTIONS

Mechanical and heat stress sometimes damage a capacitor inside an EMI filter. Be careful not to give screw type EMI filters strong mechanical and heat shock.

Method of installation

1. Screw type

Screw type EMI filters can be used with nonsolderable aluminum chassis with matching thread hole. Fastening torques are specified. Process in the regulated value by using the torque screwdriver.



Recommended hole size of chassis at fastening.

| | | |
|------|------|-----|
| M3 | Type | 3.2 |
| M3.5 | Type | 3.7 |
| M4 | Type | 4.2 |
| M5 | Type | 5.2 |

2. When using soldering types (FTA3S,56S), please use the following method.

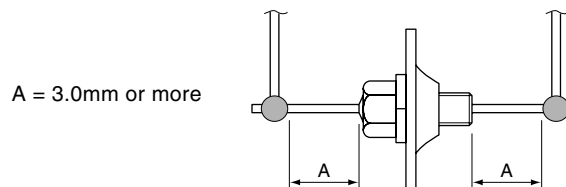
- Recommended Solder
Use low-melting solder of which melting temperature is 165°C max.
- Recommended Method
Use reflow soldering. Avoid rapid heating/cooling, preheat to around 130°C, and then process at 220°C in the reflow zone for 10 sec. max.
- Recommended hole size for soldering

| | |
|--------|-----|
| FTA 3S | 3.4 |
| FTA56S | 5.8 |

Soldering to lead wire

1. Soldering to lead wires is to be processed with internal solder in case of soldering by a soldering iron. Lead wires are excellent in soldering heat resistance.

- Recommended Method
Temperature of soldering iron should be 300°C max. for 10 seconds max.
Do not let the solder get within 3mm of the body of the part.



2. Don't bend a lead wire. Be careful that mechanical stress is not applied to the EMI filter itself when you unavoidably bend a lead wire.

Recommended fastening torque

| Type | Fastening torque |
|----------------------------|------------------|
| FTA30, FTB30, FTT30, FTA32 | 0.245N•m |
| FTA35, FTP30 | 0.441N•m |
| FTT4C, FTT41 | 0.343N•m |
| FTA41, FTP40, FTT40, FTA4D | 0.539N•m |
| FTA5B, FTA5C, FTA5D, FTB50 | 0.686N•m |
| FTP82 | 0.686N•m |

Minimum packaging quantity

| Type | Unit quantity |
|----------------------------|---------------|
| FTA30, FTA4#, FTA4D, FTA35 | 200pcs |
| FTB30, FTT30, FTT40 | |
| FTP30, FTP40 | |
| FTA3S | 100pcs |
| FTA5B, FTA5C, FTA5D | |
| FTB50, FTA56S | |
| FTB82 | 25pcs |