



◆ Characteristics

- ✓ Rotation direction : CCW
- ✓ Space saving
- ✓ Simple attachment (method)
- ✓ Torque : 2 types

◆ Component parts

| Part name | Material |
|-----------|----------|
| HOUSING   | PBT-GF15 |
| ROTOR     | POM      |
| CAP       | PBT-GF15 |
| O-RING    | VMQ      |
| OIL       | SILICONE |

◆ Note

- Refrain from applying pressure to damper rotor from lateral direction.
- Refrain from using damper as stopper.
- Specifications are subject to change without notice.

◇ Part number/Specifications

| Part number | Direction | Torque [N·m] | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 |
|-------------|-----------|--------------|---|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 3F7X - 50   | CCW       | 50.0 ± 20.0  |   |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |
| 3F7X - 100  | CCW       | 100.0 ± 30.0 |   |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |

<<Torque>> CCW : 0° to 70° peak torque Speed : 15r/min

● Durability

|            |  |
|------------|--|
| Conditions | 1 cycle : CCW 110° / 1s → pause / 1s → CW 110° / 1s → pause / 1s |
| Lifetime   | 20,000 cycles Room temperature (23°C)                            |

◇ Damper characteristics

● Torque characteristics

