

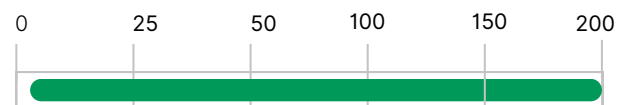
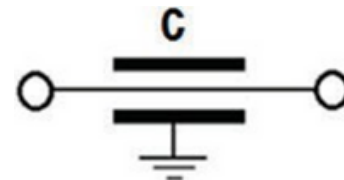
Features:

- Very wide range in different mounting High contact reliability
- Easy to install.

Applications:

- Broadband interference suppression for Shielded rooms
- Telephone exchanges, base stations
- Electrical machines and systems.
- UPS


Performance Indicator:

Rated Current (A):

Type Circuit Diagram:

DATASHEET
FEEDTHROUGH CAPACITOR-FTCAC

Feed through capacitor offer high attenuation to the wide range of frequency up to 1GHz available in various capacitance Values with various mounting and terminations

Technical Specifications:

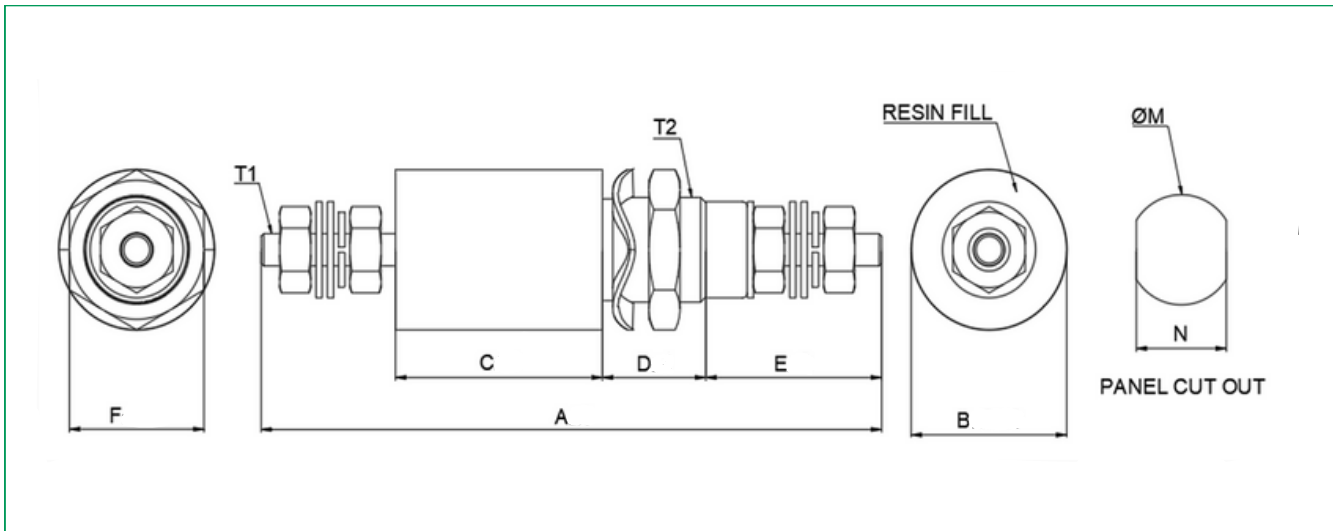
| | |
|--------------------------------------|----------------------------------|
| Maximum Continuous Operating Voltage | :250 VAC |
| Operating Frequency | :50/60 Hz |
| Current ratings | :6 A to 200 A @60° C |
| High Potential test voltage | :3000 VDC Line to Case For 2 sec |
| Capacitance Class | :Y2 |
| Design Corresponding to | :IEC/EN60384-14 |
| Flammability corresponding to | :UL 94 V-0 |
| Temperature range | :-40°C to +100°C |
| Climatic Category | :40/100/21 |

Ordering Information

| Model Number | Part Number | Current Rating @60°C(A) | Leakage Current @250 VAC/50Hz (mA) | Capacitance (nF) ±20% | Min.Weight (kg) |
|------------------|-------------|----------------------------|--|--------------------------|--------------------|
| FTCAC-002N2-006A | E109743-1 | 6 | 0.25 | 2.2 | 0.1 |
| FTCAC-002N2-010A | E106651-1 | 10 | 0.25 | 2.2 | 0.1 |
| FTCAC-004N7-006A | E109744-1 | 6 | 0.5 | 4.7 | 0.1 |
| FTCAC-004N7-010A | E106652-1 | 10 | 0.5 | 4.7 | 0.1 |
| FTCAC-004N7-016A | E106653-1 | 16 | 0.5 | 4.7 | 0.1 |
| FTCAC-004N7-032A | E106654-1 | 32 | 0.5 | 4.7 | 0.1 |
| FTCAC-0010N-006A | E109745-1 | 6 | 1.0 | 10 | 0.1 |
| FTCAC-0010N-010A | E109746-1 | 10 | 1.0 | 10 | 0.1 |
| FTCAC-0010N-016A | E106655-1 | 16 | 1.0 | 10 | 0.1 |
| FTCAC-0010N-032A | E106656-1 | 32 | 1.0 | 10 | 0.1 |
| FTCAC-0010N-063A | E109747-1 | 63 | 1.0 | 10 | 0.1 |
| FTCAC-0010N-075A | E109748-1 | 75 | 1.0 | 10 | 0.1 |
| FTCAC-0022N-016A | E106657-1 | 16 | 2.5 | 22 | 0.2 |
| FTCAC-0022N-032A | E106658-1 | 32 | 2.5 | 22 | 0.2 |
| FTCAC-0022N-063A | E109749-1 | 63 | 2.5 | 22 | 0.2 |
| FTCAC-0022N-075A | E109750-1 | 75 | 2.5 | 22 | 0.2 |
| FTCAC-0033N-016A | E109751-1 | 16 | 3.5 | 33 | 0.2 |
| FTCAC-0033N-032A | E106659-1 | 32 | 3.5 | 33 | 0.2 |
| FTCAC-0033N-063A | E109752-1 | 63 | 3.5 | 33 | 0.2 |
| FTCAC-0033N-075A | E109753-1 | 75 | 3.5 | 33 | 0.2 |
| FTCAC-0047N-016A | E106660-1 | 16 | 5 | 47 | 0.2 |
| FTCAC-0047N-032A | E106661-1 | 32 | 5 | 47 | 0.2 |
| FTCAC-0047N-063A | E106662-1 | 63 | 5 | 47 | 0.2 |
| FTCAC-0047N-075A | E109754-1 | 75 | 5 | 47 | 0.2 |
| FTCAC-0047N-100A | E106663-1 | 100 | 5 | 47 | 0.2 |
| FTCAC-0100N-016A | E106664-1 | 16 | 10 | 100 | 0.2 |
| FTCAC-0100N-032A | E106665-1 | 32 | 10 | 100 | 0.2 |
| FTCAC-0100N-063A | E106666-1 | 63 | 10 | 100 | 0.2 |
| FTCAC-0100N-075A | E106667-1 | 75 | 10 | 100 | 0.2 |
| FTCAC-0100N-100A | E106668-1 | 100 | 10 | 100 | 0.2 |
| FTCAC-0100N-150A | E109755-1 | 150 | 10 | 100 | 0.3 |
| FTCAC-0100N-200A | E109756-1 | 200 | 10 | 100 | 0.3 |
| FTCAC-0220N-010A | E110074-1 | 10 | 25 | 220 | 0.3 |
| FTCAC-0220N-016A | E109757-1 | 16 | 25 | 220 | 0.3 |
| FTCAC-0220N-032A | E109758-1 | 32 | 25 | 220 | 0.3 |
| FTCAC-0220N-063A | E109759-1 | 63 | 25 | 220 | 0.3 |
| FTCAC-0220N-075A | E109760-1 | 75 | 25 | 220 | 0.3 |
| FTCAC-0220N-100A | E109761-1 | 100 | 25 | 220 | 0.3 |
| FTCAC-0220N-150A | E109762-1 | 150 | 25 | 220 | 0.4 |
| FTCAC-0220N-200A | E106669-1 | 200 | 25 | 220 | 0.4 |
| FTCAC-0470N-010A | E110075-1 | 10 | 50 | 470 | 0.4 |
| FTCAC-0470N-016A | E110076-1 | 16 | 50 | 470 | 0.4 |
| FTCAC-0470N-032A | E110077-1 | 32 | 50 | 470 | 0.4 |
| FTCAC-0470N-063A | E106670-1 | 63 | 50 | 470 | 0.4 |
| FTCAC-0470N-075A | E106671-1 | 75 | 50 | 470 | 0.4 |
| FTCAC-0470N-100A | E106672-1 | 100 | 50 | 470 | 0.4 |
| FTCAC-0470N-130A | E110834-1 | 130 | 50 | 470 | 0.4 |

| Model Number | Part Number | Current Rating @60°C(A) | Leakage Current @250 VAC/50Hz (mA) | Capacitance (nF) ±20% | Min.Weight (kg) |
|------------------|-------------|-------------------------|------------------------------------|-----------------------|-----------------|
| FTCAC-0470N-150A | E109763-1 | 150 | 50 | 470 | 0.4 |
| FTCAC-0470N-200A | E106673-1 | 200 | 50 | 470 | 0.4 |
| FTCAC-1000N-010A | E110078-1 | 10 | 100 | 1000 | 0.4 |
| FTCAC-1000N-016A | E110079-1 | 16 | 100 | 1000 | 0.4 |
| FTCAC-1000N-032A | E110080-1 | 32 | 100 | 1000 | 0.4 |
| FTCAC-1000N-063A | E106674-1 | 63 | 100 | 1000 | 0.5 |
| FTCAC-1000N-075A | E106675-1 | 75 | 100 | 1000 | 0.5 |
| FTCAC-1000N-100A | E106676-1 | 100 | 100 | 1000 | 0.5 |
| FTCAC-1000N-150A | E109764-1 | 150 | 100 | 1000 | 0.5 |
| FTCAC-1000N-200A | E106677-1 | 200 | 100 | 1000 | 0.5 |
| FTCAC-2200N-010A | E110081-1 | 10 | 210 | 2200 | 0.5 |
| FTCAC-2200N-016A | E110082-1 | 16 | 210 | 2200 | 0.5 |
| FTCAC-2200N-032A | E110083-1 | 32 | 210 | 2200 | 0.5 |
| FTCAC-2200N-063A | E106678-1 | 63 | 210 | 2200 | 0.5 |
| FTCAC-2200N-075A | E109765-1 | 75 | 210 | 2200 | 0.5 |
| FTCAC-2200N-100A | E106679-1 | 100 | 210 | 2200 | 0.5 |
| FTCAC-2200N-150A | E109766-1 | 150 | 210 | 2200 | 0.8 |
| FTCAC-2200N-200A | E106680-1 | 200 | 210 | 2200 | 0.8 |
| FTCAC-3300N-010A | E110084-1 | 10 | 320 | 3300 | 0.8 |
| FTCAC-3300N-016A | E110085-1 | 16 | 320 | 3300 | 0.8 |
| FTCAC-3300N-032A | E110086-1 | 32 | 320 | 3300 | 0.8 |
| FTCAC-3300N-063A | E109767-1 | 63 | 320 | 3300 | 0.8 |
| FTCAC-3300N-075A | E109768-1 | 75 | 320 | 3300 | 0.8 |
| FTCAC-3300N-100A | E109769-1 | 100 | 320 | 3300 | 0.8 |
| FTCAC-3300N-150A | E109770-1 | 150 | 320 | 3300 | 0.8 |
| FTCAC-3300N-200A | E109771-1 | 200 | 320 | 3300 | 0.8 |
| FTCAC-4700N-010A | E110087-1 | 10 | 450 | 4700 | 0.8 |
| FTCAC-4700N-016A | E110088-1 | 16 | 450 | 4700 | 0.8 |
| FTCAC-4700N-032A | E110089-1 | 32 | 450 | 4700 | 0.8 |
| FTCAC-4700N-063A | E106681-1 | 63 | 450 | 4700 | 0.8 |
| FTCAC-4700N-075A | E109772-1 | 75 | 450 | 4700 | 0.8 |
| FTCAC-4700N-100A | E106682-1 | 100 | 450 | 4700 | 0.8 |
| FTCAC-4700N-150A | E109773-1 | 150 | 450 | 4700 | 0.8 |
| FTCAC-4700N-200A | E106683-1 | 200 | 450 | 4700 | 0.8 |

Mechanical Information



Mechanical Dimensions

| Model Number | A±1 | øB±0.5 | C±2 | D±1 | E±2 | F±0.5 | T1 | T2 | M -0/+0.5 | N -0/+0.5 |
|------------------|-----|--------|-----|-----|-----|-------|-----|-----|--------------|--------------|
| FTCAC-002N2-006A | 70 | 15.8 | 25 | 10 | 20 | 13 | M3 | M10 | 10.3 | - |
| FTCAC-002N2-010A | 70 | 15.8 | 25 | 10 | 20 | 13 | M3 | M10 | 10.3 | - |
| FTCAC-004N7-006A | 70 | 20 | 25 | 10 | 21 | 13 | M3 | M10 | 10.3 | - |
| FTCAC-004N7-010A | 70 | 20 | 25 | 10 | 21 | 13 | M3 | M10 | 10.3 | - |
| FTCAC-004N7-016A | 77 | 20 | 25 | 12 | 23 | 17 | M4 | M12 | 12.3 | - |
| FTCAC-004N7-032A | 80 | 20 | 25 | 12 | 25 | 22 | M5 | M16 | 16.3 | 14.3 |
| FTCAC-0010N-006A | 70 | 20 | 25 | 10 | 21 | 13 | M3 | M10 | 10.3 | - |
| FTCAC-0010N-010A | 70 | 20 | 25 | 10 | 21 | 13 | M3 | M10 | 10.3 | - |
| FTCAC-0010N-016A | 77 | 20 | 25 | 12 | 22 | 17 | M4 | M12 | 12.3 | - |
| FTCAC-0010N-032A | 80 | 25 | 25 | 12 | 26 | 22 | M5 | M16 | 16.3 | 14.3 |
| FTCAC-0010N-063A | 95 | 25 | 25 | 14 | 33 | 22 | M6 | M16 | 16.3 | 14.3 |
| FTCAC-0010N-075A | 108 | 32 | 25 | 16 | 37 | 27 | M8 | M20 | 20.3 | 18.3 |
| FTCAC-0022N-016A | 77 | 28 | 25 | 12 | 22 | 17 | M4 | M12 | 12.3 | - |
| FTCAC-0022N-032A | 80 | 28 | 25 | 12 | 26 | 22 | M5 | M16 | 16.3 | 14.3 |
| FTCAC-0022N-063A | 95 | 32 | 25 | 14 | 33 | 24 | M6 | M16 | 16.3 | 14.3 |
| FTCAC-0022N-075A | 108 | 32 | 25 | 16 | 37 | 27 | M8 | M20 | 20.3 | 18.3 |
| FTCAC-0033N-016A | 80 | 28 | 30 | 12 | 21 | 17 | M4 | M12 | 12.3 | - |
| FTCAC-0033N-032A | 86 | 28 | 30 | 12 | 26 | 22 | M5 | M16 | 16.3 | 14.3 |
| FTCAC-0033N-063A | 105 | 32 | 35 | 14 | 33 | 24 | M6 | M16 | 16.3 | 14.3 |
| FTCAC-0033N-075A | 118 | 32 | 35 | 16 | 37 | 27 | M8 | M20 | 20.3 | 18.3 |
| FTCAC-0047N-016A | 80 | 28 | 30 | 12 | 21 | 17 | M4 | M12 | 12.3 | - |
| FTCAC-0047N-032A | 86 | 28 | 30 | 12 | 26 | 22 | M5 | M16 | 16.3 | 14.3 |
| FTCAC-0047N-063A | 105 | 32 | 35 | 14 | 33 | 24 | M6 | M16 | 16.3 | 14.3 |
| FTCAC-0047N-075A | 118 | 32 | 35 | 16 | 37 | 27 | M8 | M20 | 20.3 | 18.3 |
| FTCAC-0047N-100A | 118 | 32 | 35 | 16 | 37 | 27 | M8 | M20 | 20.3 | 18.3 |
| FTCAC-0100N-016A | 80 | 32 | 30 | 14 | 21 | 24 | M4 | M16 | 16.3 | 14.3 |
| FTCAC-0100N-032A | 86 | 32 | 30 | 14 | 25 | 24 | M5 | M16 | 16.3 | 14.3 |
| FTCAC-0100N-063A | 105 | 32 | 35 | 14 | 33 | 24 | M6 | M16 | 16.3 | 14.3 |
| FTCAC-0100N-075A | 118 | 32 | 35 | 16 | 37 | 27 | M8 | M20 | 20.3 | 18.3 |
| FTCAC-0100N-100A | 118 | 32 | 35 | 16 | 37 | 27 | M8 | M20 | 20.3 | 18.3 |
| FTCAC-0100N-150A | 134 | 38 | 35 | 19 | 45 | 32 | M10 | M24 | 24.3 | 22.3 |

| Model Number | A±1 | øB±0.5 | C±2 | D±1 | E±2 | F±0.5 | T1 | T2 | M -0/+0.5 | N -0/+0.5 |
|------------------|-----|--------|-----|-----|-----|-------|-----|-----|--------------|--------------|
| FTCAC-0100N-200A | 134 | 38 | 35 | 19 | 45 | 32 | M10 | M24 | 24.3 | 22.3 |
| FTCAC-0220N-010A | 88 | 38 | 35 | 14 | 23 | 24 | M3 | M16 | 16.3 | 14.3 |
| FTCAC-0220N-016A | 90 | 38 | 35 | 14 | 23 | 24 | M4 | M16 | 16.3 | 14.3 |
| FTCAC-0220N-032A | 96 | 38 | 35 | 14 | 27 | 24 | M5 | M16 | 16.3 | 14.3 |
| FTCAC-0220N-063A | 117 | 38 | 46 | 14 | 33 | 24 | M6 | M16 | 16.3 | 14.3 |
| FTCAC-0220N-075A | 127 | 38 | 46 | 16 | 37 | 27 | M8 | M20 | 20.3 | 18.3 |
| FTCAC-0220N-100A | 127 | 38 | 46 | 16 | 37 | 27 | M8 | M20 | 20.3 | 18.3 |
| FTCAC-0220N-150A | 143 | 38 | 46 | 19 | 45 | 32 | M10 | M24 | 24.3 | 22.3 |
| FTCAC-0220N-200A | 143 | 38 | 46 | 19 | 45 | 32 | M10 | M24 | 24.3 | 22.3 |
| FTCAC-0470N-010A | 120 | 32 | 70 | 14 | 21 | 24 | M3 | M16 | 16.3 | 14.3 |
| FTCAC-0470N-016A | 125 | 32 | 70 | 14 | 24 | 24 | M4 | M16 | 16.3 | 14.3 |
| FTCAC-0470N-032A | 130 | 32 | 70 | 14 | 25 | 24 | M5 | M16 | 16.3 | 14.3 |
| FTCAC-0470N-063A | 143 | 32 | 70 | 14 | 33 | 24 | M6 | M16 | 16.3 | 14.3 |
| FTCAC-0470N-075A | 153 | 32 | 70 | 16 | 37 | 27 | M8 | M20 | 20.3 | 18.3 |
| FTCAC-0470N-100A | 153 | 32 | 70 | 16 | 37 | 27 | M8 | M20 | 20.3 | 18.3 |
| FTCAC-0470N-130A | 124 | 32 | 46 | 15 | 38 | 27 | M8 | M20 | 20.3 | 18.3 |
| FTCAC-0470N-150A | 174 | 38 | 75 | 19 | 45 | 32 | M10 | M24 | 24.3 | 22.3 |
| FTCAC-0470N-200A | 174 | 38 | 75 | 19 | 45 | 32 | M10 | M24 | 24.3 | 22.3 |
| FTCAC-1000N-010A | 120 | 32 | 70 | 14 | 21 | 24 | M3 | M16 | 16.3 | 14.3 |
| FTCAC-1000N-016A | 125 | 32 | 70 | 14 | 24 | 24 | M4 | M16 | 16.3 | 14.3 |
| FTCAC-1000N-032A | 130 | 32 | 70 | 14 | 25 | 24 | M5 | M16 | 16.3 | 14.3 |
| FTCAC-1000N-063A | 143 | 38 | 70 | 14 | 33 | 24 | M6 | M16 | 16.3 | 14.3 |
| FTCAC-1000N-075A | 153 | 38 | 70 | 16 | 37 | 27 | M8 | M20 | 20.3 | 18.3 |
| FTCAC-1000N-100A | 153 | 38 | 70 | 16 | 37 | 27 | M8 | M20 | 20.3 | 18.3 |
| FTCAC-1000N-150A | 174 | 38 | 75 | 19 | 45 | 32 | M10 | M24 | 24.3 | 22.3 |
| FTCAC-1000N-200A | 174 | 38 | 75 | 19 | 45 | 32 | M10 | M24 | 24.3 | 22.3 |
| FTCAC-2200N-010A | 120 | 38 | 70 | 14 | 21 | 24 | M3 | M16 | 16.3 | 14.3 |
| FTCAC-2200N-016A | 125 | 38 | 70 | 14 | 24 | 24 | M4 | M16 | 16.3 | 14.3 |
| FTCAC-2200N-032A | 130 | 38 | 70 | 14 | 25 | 24 | M5 | M16 | 16.3 | 14.3 |
| FTCAC-2200N-063A | 143 | 38 | 70 | 14 | 33 | 24 | M6 | M16 | 16.3 | 14.3 |
| FTCAC-2200N-075A | 153 | 38 | 70 | 16 | 37 | 27 | M8 | M20 | 20.3 | 18.3 |
| FTCAC-2200N-100A | 153 | 38 | 70 | 16 | 37 | 27 | M8 | M20 | 20.3 | 18.3 |
| FTCAC-2200N-150A | 174 | 57 | 75 | 19 | 45 | 40 | M10 | M24 | 24.3 | 22.3 |
| FTCAC-2200N-200A | 174 | 57 | 75 | 19 | 45 | 40 | M10 | M24 | 24.3 | 22.3 |
| FTCAC-3300N-010A | 120 | 57 | 70 | 14 | 21 | 24 | M3 | M16 | 16.3 | 14.3 |
| FTCAC-3300N-016A | 125 | 57 | 70 | 14 | 24 | 24 | M4 | M16 | 16.3 | 14.3 |
| FTCAC-3300N-032A | 130 | 57 | 70 | 14 | 25 | 24 | M5 | M16 | 16.3 | 14.3 |
| FTCAC-3300N-063A | 143 | 57 | 70 | 16 | 35 | 27 | M6 | M20 | 20.3 | 18.3 |
| FTCAC-3300N-075A | 153 | 57 | 70 | 16 | 37 | 27 | M8 | M20 | 20.3 | 18.3 |
| FTCAC-3300N-100A | 153 | 57 | 70 | 16 | 37 | 27 | M8 | M20 | 20.3 | 18.3 |
| FTCAC-3300N-150A | 174 | 57 | 75 | 19 | 45 | 40 | M10 | M24 | 24.3 | 22.3 |
| FTCAC-3300N-200A | 174 | 57 | 75 | 19 | 45 | 40 | M10 | M24 | 24.3 | 22.3 |
| FTCAC-4700N-010A | 120 | 57 | 70 | 14 | 21 | 24 | M3 | M16 | 16.3 | 14.3 |
| FTCAC-4700N-016A | 12 | 57 | 70 | 14 | 24 | 24 | M4 | M16 | 16.3 | 14.3 |
| FTCAC-4700N-032A | 130 | 57 | 70 | 14 | 25 | 24 | M5 | M16 | 16.3 | 14.3 |
| FTCAC-4700N-063A | 143 | 57 | 70 | 16 | 35 | 27 | M6 | M20 | 20.3 | 18.3 |
| FTCAC-4700N-075A | 153 | 57 | 70 | 16 | 37 | 27 | M8 | M20 | 20.3 | 18.3 |
| FTCAC-4700N-100A | 153 | 57 | 70 | 16 | 37 | 27 | M8 | M20 | 20.3 | 18.3 |
| FTCAC-4700N-150A | 174 | 57 | 75 | 19 | 45 | 40 | M10 | M24 | 24.3 | 22.3 |
| FTCAC-4700N-200A | 174 | 57 | 75 | 19 | 45 | 40 | M10 | M24 | 24.3 | 22.3 |

All dimensions are in mm .

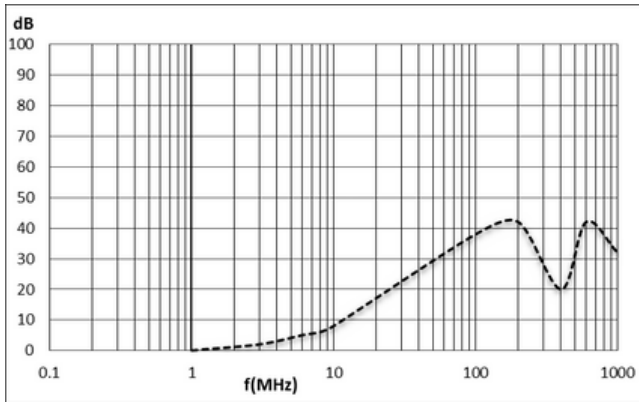
Torque Details

| Recommended Torque | M3 | M4 | M6 | M8 | M10 | M10X1 | M12X1 | M16X1 | M20X1 | M24X1 |
|---------------------|-----|-----|-----|----|-----|-------|-------|-------|-------|-------|
| Terminal Thread(Nm) | 0.5 | 1.2 | 2.5 | 5 | 8 | - | - | - | - | - |
| Mounting Thread(Nm) | - | - | - | - | - | 2 | 3 | 4 | 7 | 8 |

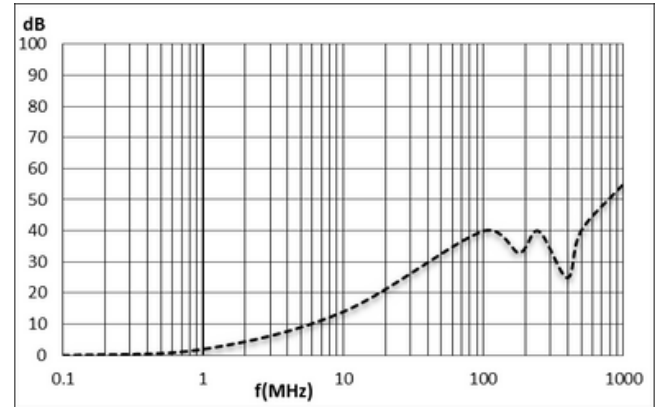
Insertion Loss

Typical values at 50 ohm

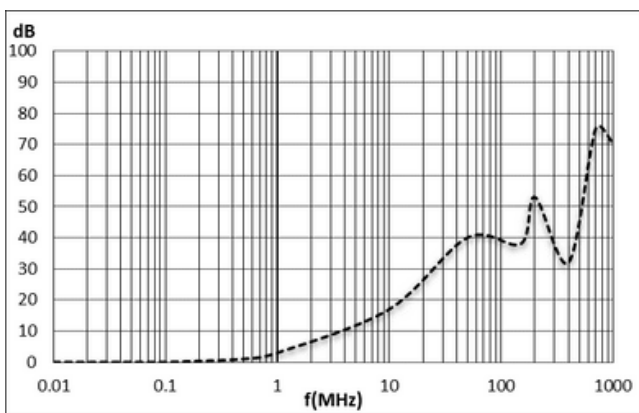
2.2nF



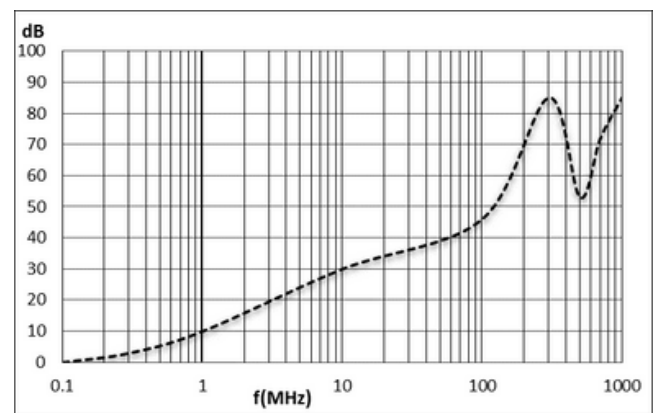
4.7nF



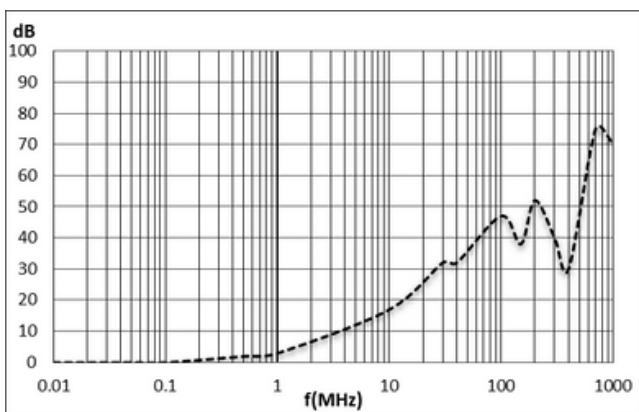
10nF



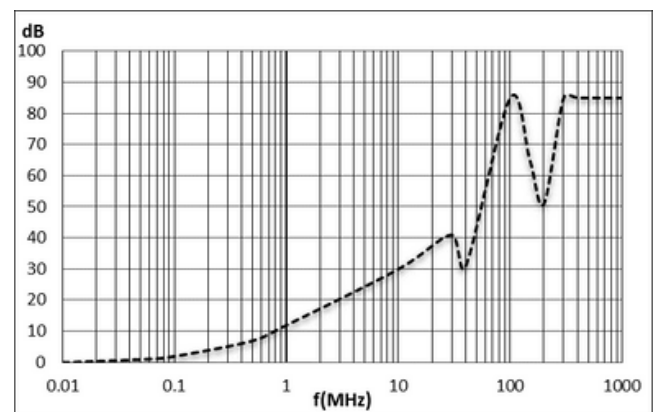
22nF



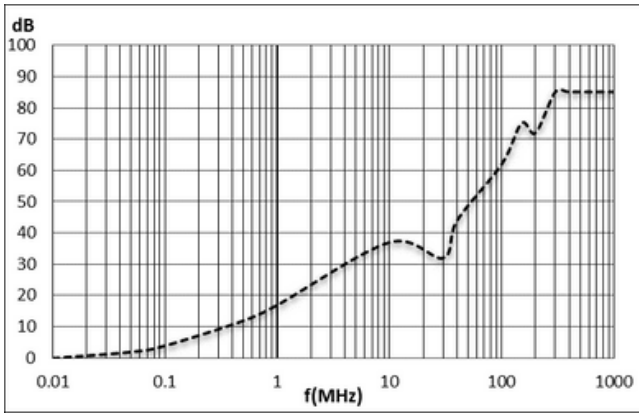
33nF



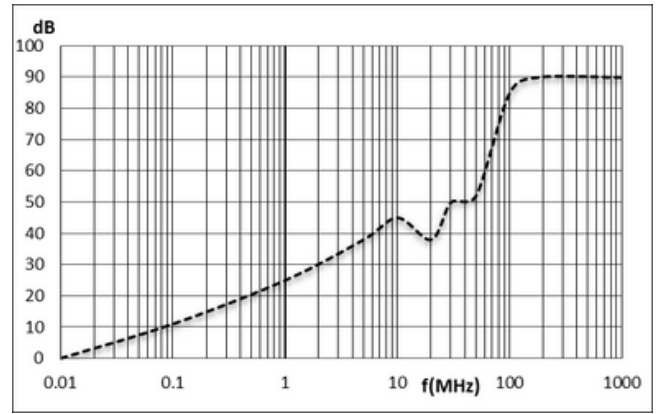
47nF



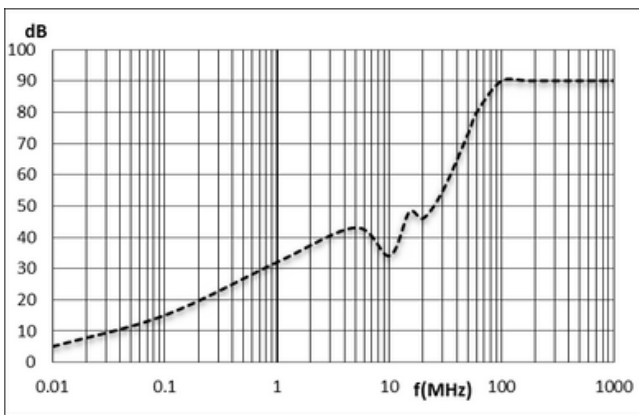
100nF



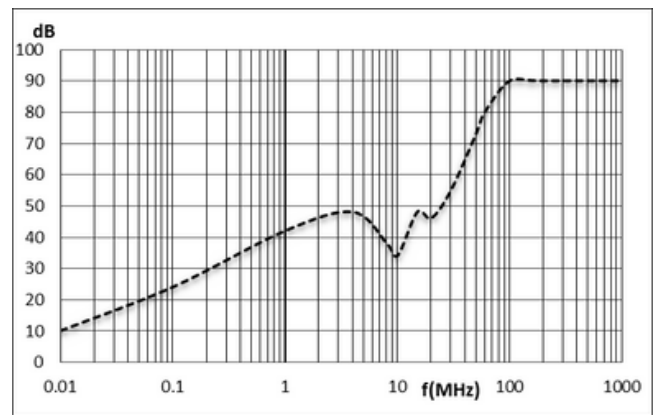
220nF



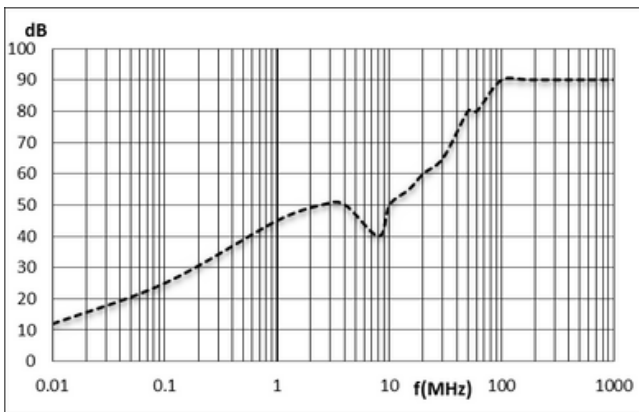
470nF



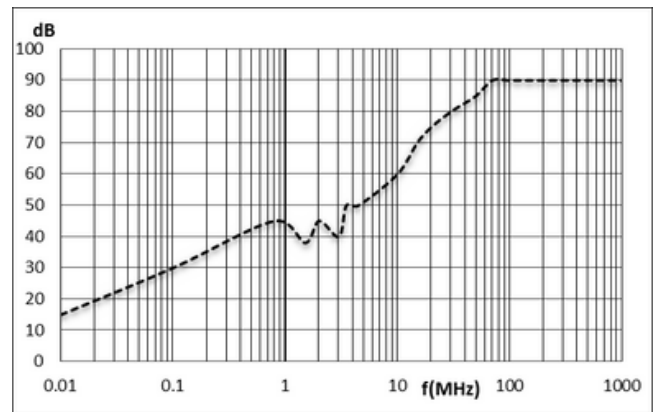
1000nF



2200nF



3300nF



4700nF

