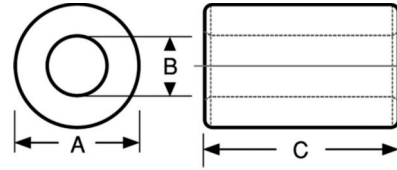


**CF SERIES****Cylindrical EMI Suppression Ferrites**

API's Cylindrical EMI Suppression ferrites provide a cost effective means of reducing common and differential mode EMI. Used to suppress common mode EMI on the internal and external cable assemblies of electronic equipment.

Select a ferrite with an inner diameter most closely matching the outer diameter of the wires to be filtered.

**Features**

- Wide range of sizes with inner diameters from 1.5 mm (0.059 inches) to 23 mm (0.905 inches)
- Precision formed smooth surfaces prevent damage to wire insulation
- Available in API-1 and API-2 material.
- Custom designs available

**Applications**

- Internal and external computer data and power cables.

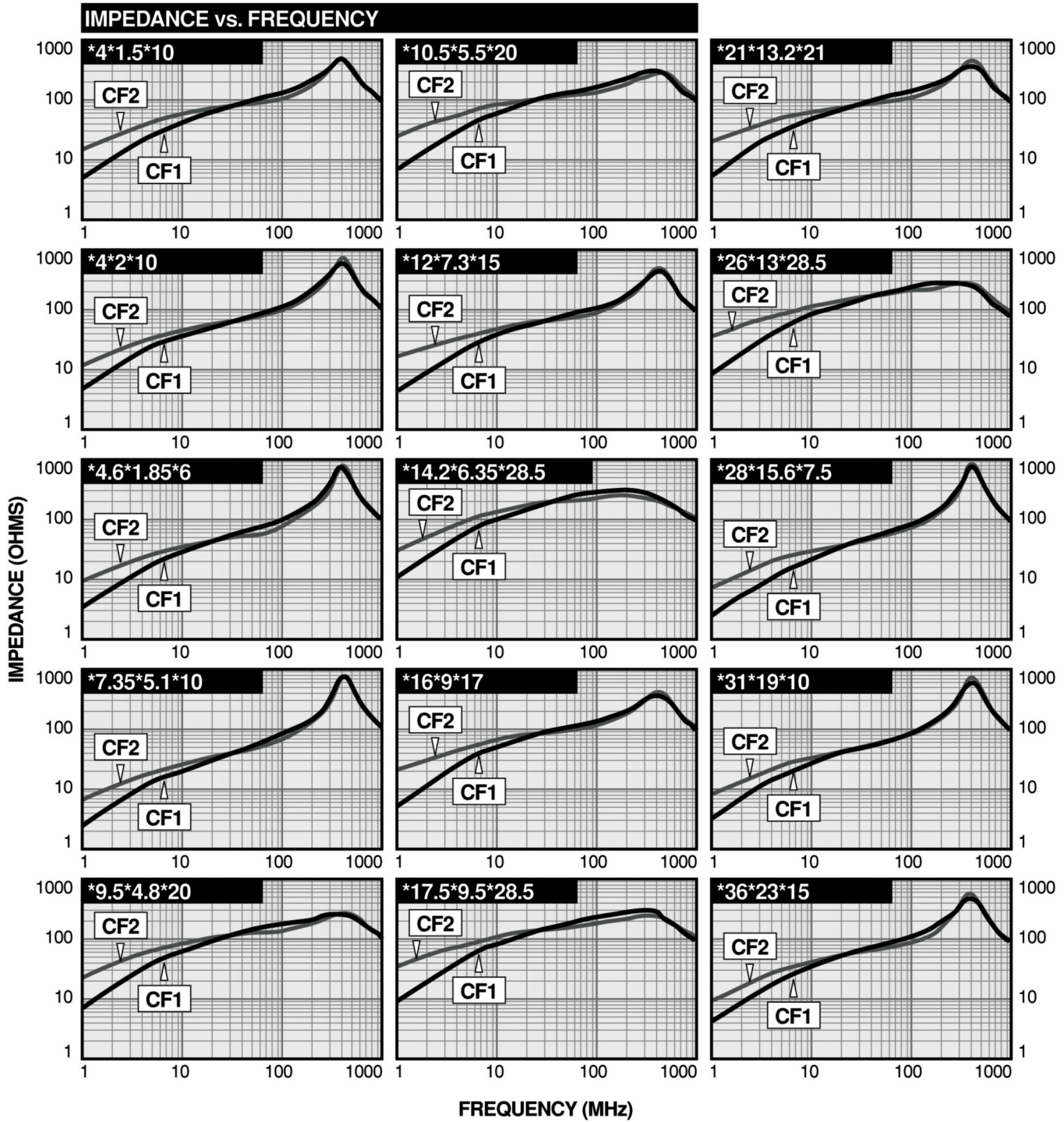
**\*\*Note – Impedance Testing** Impedance is typical, measurement using HP4191A. For CF1-4\*1.5\*10 through CF2-4.6\*1.85\*6, based on 1/2 turn (4.0") 32 AWG wire. For CF1-7.35\*5.1\*10 and above, based on 1/2 turn (4.0") 19 AWG wire.

| PART NUMBER        | IMPEDANCE**     |                  |                  | DIMENSION A |          | DIMENSION B |          | DIMENSION C |          |
|--------------------|-----------------|------------------|------------------|-------------|----------|-------------|----------|-------------|----------|
|                    | @ 25 MHz (Min.) | @ 100 MHz (Typ.) | @ 300 MHz (Typ.) | INCHES      | mm       | INCHES      | mm       | INCHES      | mm       |
| CF1-4*1.5*10       | 50              | 135              | 300              | 0.157±.007  | 4.0±0.2  | 0.059±.005  | 1.5±0.15 | 0.393±.015  | 10.0±0.4 |
| CF2-4*1.5*10       | 55              | 116              | 269              | 0.157±.007  | 4.0±0.2  | 0.059±.005  | 1.5±0.15 | 0.393±.015  | 10.0±0.4 |
| CF1-4*2*10         | 40              | 102              | 282              | 0.157±.007  | 4.0±0.2  | 0.078±.007  | 2.0±0.2  | 0.393±.015  | 10.0±0.4 |
| CF2-4*2*10         | 40              | 86               | 255              | 0.157±.007  | 4.0±0.2  | 0.078±.007  | 2.0±0.2  | 0.393±.015  | 10.0±0.4 |
| CF1-4.6*1.85*6     | 35              | 89               | 261              | 0.181±.007  | 4.6±0.2  | 0.072±.007  | 1.85±0.2 | 0.236±.011  | 6.0±0.3  |
| CF2-4.6*1.85*6     | 35              | 77               | 237              | 0.181±.007  | 4.6±0.2  | 0.072±.007  | 1.85±0.2 | 0.236±.011  | 6.0±0.3  |
| CF1-7.35*5.1*10    | 23              | 68               | 217              | 0.289±.011  | 7.35±0.3 | 0.200±.007  | 5.1±0.2  | 0.393±.015  | 10.0±0.4 |
| CF2-7.35*5.1*10    | 23              | 63               | 214              | 0.289±.011  | 7.35±0.3 | 0.200±.007  | 5.1±0.2  | 0.393±.015  | 10.0±0.4 |
| CF1-9.5*4.8*20     | 70              | 171              | 263              | 0.374±.011  | 9.5±0.3  | 0.188±.007  | 4.8±0.2  | 0.787±.023  | 20.0±0.6 |
| CF2-9.5*4.8*20     | 80              | 142              | 251              | 0.374±.011  | 9.5±0.3  | 0.188±.007  | 4.8±0.2  | 0.787±.023  | 20.0±0.6 |
| CF1-10.5*5.5*20    | 65              | 161              | 273              | 0.413±.015  | 10.5±0.4 | 0.216±.007  | 5.5±0.2  | 0.787±.023  | 20.0±0.6 |
| CF2-10.5*5.5*20    | 70              | 134              | 261              | 0.413±.015  | 10.5±0.4 | 0.216±.007  | 5.5±0.2  | 0.787±.023  | 20.0±0.6 |
| CF1-12*7.3*15      | 40              | 107              | 273              | 0.472±.019  | 12.0±0.5 | 0.287±.011  | 7.3±0.3  | 0.590±.019  | 15.0±0.5 |
| CF2-12*7.3*15      | 40              | 89               | 242              | 0.472±.019  | 12.0±0.5 | 0.287±.011  | 7.3±0.3  | 0.590±.019  | 15.0±0.5 |
| CF1-14.2*6.35*28.5 | 115             | 280              | 302              | 0.559±.019  | 14.2±0.5 | 0.250±.011  | 6.35±0.3 | 1.122±.031  | 28.5±0.8 |
| CF2-14.2*6.35*28.5 | 125             | 230              | 210              | 0.559±.019  | 14.2±0.5 | 0.250±.011  | 6.35±0.3 | 1.122±.031  | 28.5±0.8 |
| CF1-16*9*17        | 50              | 130              | 281              | 0.629±.019  | 16.0±0.5 | 0.354±.011  | 9.0±0.3  | 0.669±.023  | 17.0±0.6 |
| CF2-16*9*17        | 55              | 109              | 257              | 0.629±.019  | 16.0±0.5 | 0.354±.011  | 9.0±0.3  | 0.669±.023  | 17.0±0.6 |
| CF1-17.5*9.5*28.5  | 95              | 217              | 310              | 0.688±.023  | 17.5±0.6 | 0.374±.011  | 9.5±0.3  | 1.122±.031  | 28.5±0.8 |
| CF2-17.5*9.5*28.5  | 95              | 172              | 296              | 0.688±.023  | 17.5±0.6 | 0.374±.011  | 9.5±0.3  | 1.122±.031  | 28.5±0.8 |
| CF1-21*13.2*21     | 55              | 136              | 309              | 0.826±.023  | 21.0±0.6 | 0.519±.019  | 13.2±0.5 | 0.826±.023  | 21.0±0.6 |
| CF2-21*13.2*21     | 55              | 115              | 305              | 0.826±.023  | 21.0±0.6 | 0.519±.019  | 13.2±0.5 | 0.826±.023  | 21.0±0.6 |
| CF1-26*13*28.5     | 100             | 235              | 325              | 1.023±.027  | 26.0±0.7 | 0.511±.019  | 13.0±0.5 | 1.122±.031  | 28.5±0.8 |
| CF2-26*13*28.5     | 110             | 198              | 316              | 1.023±.027  | 26.0±0.7 | 0.511±.019  | 13.0±0.5 | 1.122±.031  | 28.5±0.8 |
| CF1-28*15.6*7.5    | 28              | 85               | 313              | 1.102±.031  | 28.0±0.8 | 0.614±.019  | 15.6±0.5 | 0.295±.011  | 7.50±0.3 |
| CF2-28*15.6*7.5    | 28              | 76               | 286              | 1.102±.031  | 28.0±0.8 | 0.614±.019  | 15.6±0.5 | 0.295±.011  | 7.50±0.3 |
| CF1-31*19*10       | 30              | 91               | 232              | 1.220±.031  | 31.0±0.8 | 0.748±.023  | 19.0±0.6 | 0.393±.015  | 10.0±0.4 |
| CF2-31*19*10       | 30              | 83               | 320              | 1.220±.031  | 31.0±0.8 | 0.748±.023  | 19.0±0.6 | 0.393±.015  | 10.0±0.4 |
| CF1-36*23*15       | 40              | 113              | 384              | 1.417±.031  | 36.0±0.8 | 0.905±.023  | 23.0±0.6 | 0.590±.019  | 15.0±0.5 |
| CF2-36*23*15       | 40              | 101              | 369              | 1.417±.031  | 36.0±0.8 | 0.905±.023  | 23.0±0.6 | 0.590±.019  | 15.0±0.5 |

# CF SERIES



## Cylindrical EMI Suppression Ferrites



For more detailed graphs, contact factory

