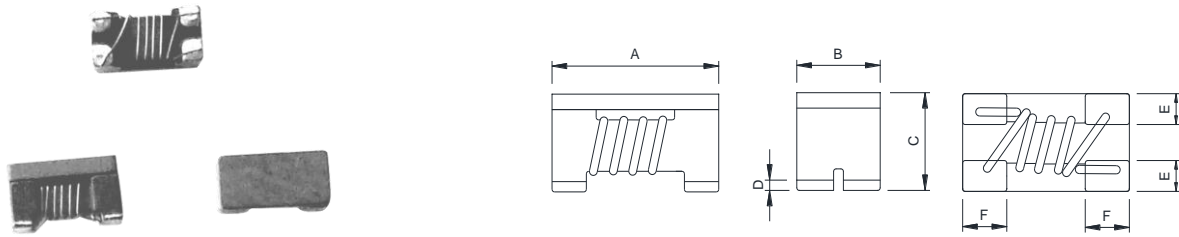


Common Mode Choke - YFD1608AT Series

EXTERNAL DIMENSIONS

(Unit: mm)



| TYPE | A | B | C | D | E | F |
|-----------|---------|---------|---------|----------|-----------|-----------|
| YFD1608AT | 1.6±0.2 | 0.8±0.2 | 1.1±0.1 | 0.10±0.1 | 0.25 Typ. | 0.35 Typ. |

| Part Number | Common Mode Impedance(Ω) @ 100MHz | Idc(mA) (Max.) | DCR(Ω) (Max.) | Rated Voltage (Typ.) | Withstanding Voltage (Typ.) | Insulation Resistance (Min.) | Cut-off Frequency (Typ.) |
|----------------|-----------------------------------|----------------|---------------|----------------------|-----------------------------|------------------------------|--------------------------|
| YFD1608AT-670S | 67 | 300 | 0.30 | | | | |
| YFD1608AT-900S | 90 | 300 | 0.30 | | | | |
| YFD1608AT-121S | 120 | 250 | 0.36 | 50Vdc | 125Vdc | 10 MΩ | 1.0 GHz |
| YFD1608AT-161S | 160 | 200 | 0.40 | | | | |
| YFD1608AT-221S | 220 | 200 | 0.42 | | | | |

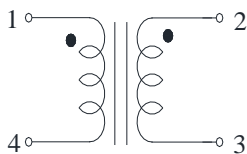
Features

- Although greatly miniaturized, this wire-wound chip-type filter maintains the characteristic needed for a common mode filter. Common mode impedance is 1000 [at 100MHz], so this filter is greatly effective in supporting noise.
- Almost no affect upon even high speed signals since differential mode impedance is kept low.
- This series includes both 2-line types. They are used for various types of circuits and noise.

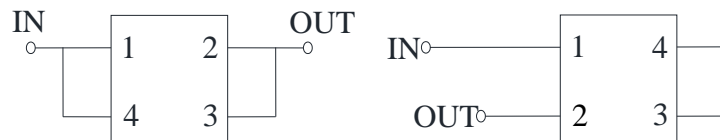
Applications

- Used for radiation noise suppression for any electronic devices
- Used to counter common mode noise affecting signals within high-speed lines.
- USB line for personal computers and peripheral equipment.
- IEEE 1394 line for personal computers, DVC, STB, etc.
- LVDS, panel link line for liquid crystal display panels.

Schematic



Test Mode



SMT