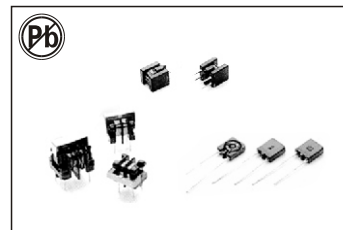


## HIGH FREQUENCY EMI FILTERS

# AICT SERIES

01,02,03,04



### FEATURES:

- High Frequency Design
- Against radiated noise
- High Reliability
- Auto insertion

### OPTIONS:

- Tape & Reel is Standard
- Custom design available

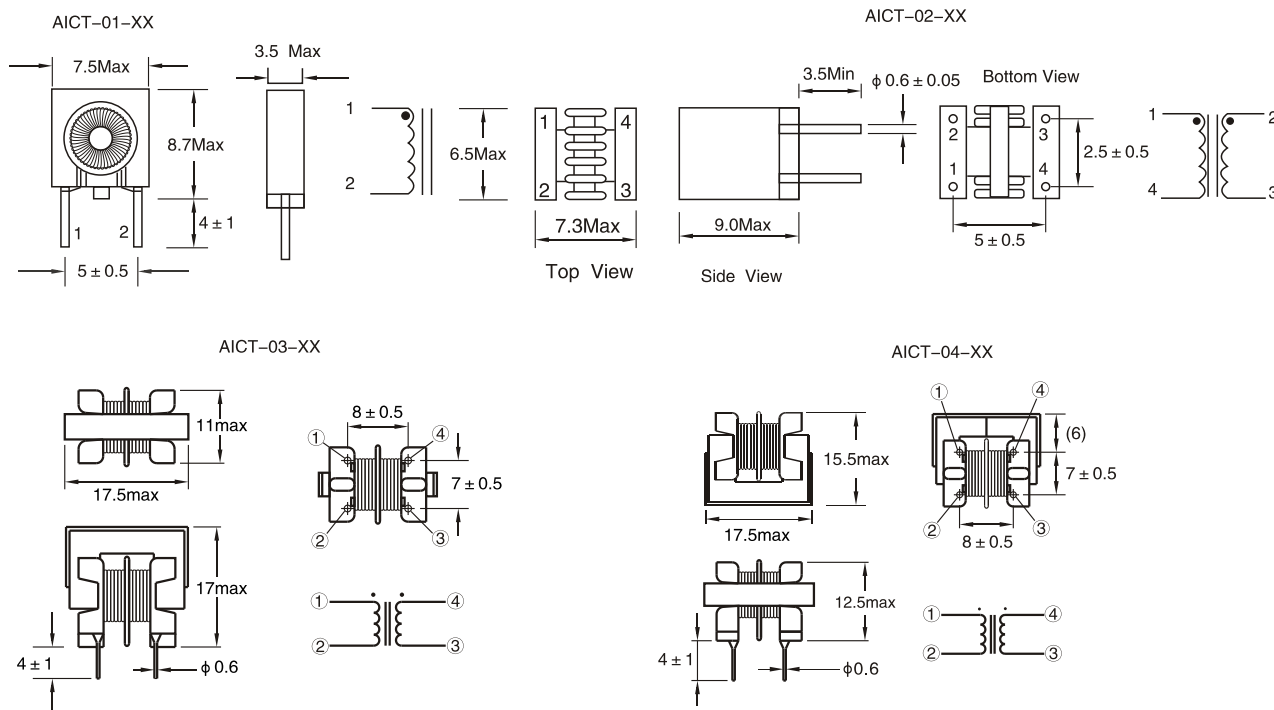
### COMMON APPLICATIONS:

- PC, Word processors.
- SMPS and switching AC adaptors
- Against CMC noise at composite Video signal dataline EMI suppression

## STANDARD SPECIFICATIONS

| Part Number  | Inductance<br>1KHZ, 1V<br>$\mu H \pm 35\%$ | Rdc<br>m $\Omega$ Max. | Turns<br>Ratio<br>$\pm 0.2\%$ | Insulation<br>Resistance<br>100M $\Omega$ min | Part Number  | Inductance<br>1KHZ, 1V<br>$\mu H$ Min | Rdc<br>$\Omega$ Max. | Turns<br>Ratio<br>$\pm 0.2\%$ | Hi-Pot<br>Isolation<br>Voltage |
|--------------|--------------------------------------------|------------------------|-------------------------------|-----------------------------------------------|--------------|---------------------------------------|----------------------|-------------------------------|--------------------------------|
| AICT-01-100M | 10                                         | 20                     | —                             | 500VDC                                        | AICT-03-102M | 1000                                  | 0.9                  | 1 : 1                         | 2500V                          |
| AICT-01-300M | 30                                         | 30                     | —                             | 500VDC                                        | AICT-03-332M | 3300                                  | 1.2                  | 1 : 1                         | 2500V                          |
| AICT-01-500M | 50                                         | 30                     | —                             | 500VDC                                        | AICT-03-702M | 7000                                  | 2.5                  | 1 : 1                         | 2500V                          |
| AICT-01-700M | 70                                         | 34                     | —                             | 500VDC                                        | AICT-03-333M | 33000                                 | 13.5                 | 1 : 1                         | 2500V                          |
| AICT-02-100M | 10                                         | 50                     | 1 : 1                         | 500VDC                                        | AICT-04-222M | 2200                                  | 1.0                  | 1 : 1                         | 2500V                          |
| AICT-02-300M | 30                                         | 50                     | 1 : 1                         | 500VDC                                        | AICT-04-502M | 5000                                  | 1.6                  | 1 : 1                         | 2500V                          |
| AICT-02-500M | 50                                         | 60                     | 1 : 1                         | 500VDC                                        | AICT-04-143M | 14000                                 | 5.5                  | 1 : 1                         | 2500V                          |
| AICT-02-800M | 80                                         | 60                     | 1 : 1                         | 500VDC                                        | AICT-04-433M | 43000                                 | 14.5                 | 1 : 1                         | 2500V                          |

## TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:



- Max operating voltage: 250V at 40°C
  - IDC Max: rating AC/DC current A @ 40°C
  - Hi-Pot 2500Vac winding to winding 3S.
  - Inductance Testing: 10KHz 0.1V HP4284A
  - RDC: QuadTech 1880 Milliohm meter
  - Surge current Max 10ms: 20X IDC
  - Soldering methods: Wave, Reflow
  - Operating Temperature: 0°C to 85°C
  - Storage Temperature: -25°C to 85°C
- Note: All specifications subject to change without notice.