

# SMD COMMON MODE LINE FILTER

## CM02 SERIES

### FEATURES:

- Ferrite Core bobbin construction
- High frequency and Large current
- Excellent Mechanical Strength
- Excellent Solderability
- Excellent Frequency performance
- Low Profile and Low cost

### COMMON APPLICATIONS:

- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Hard Disk Drives
- Network Systems
- Computer Peripheral Equipment

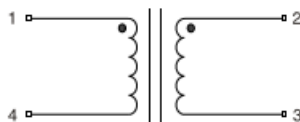
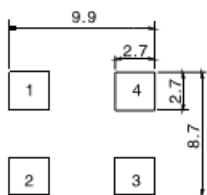
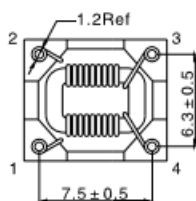
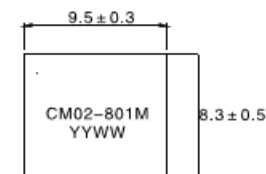


### ELECTRICAL CHARACTERISTICS@25°C

| Part Number | Inductance (uH) Typ. | Impedance ( $\Omega$ ) $\pm 25\%$ @100MHz | Rated current (A) | DCR (m $\Omega$ )Max |
|-------------|----------------------|-------------------------------------------|-------------------|----------------------|
| CM02-501M   | 5.0                  | 500                                       | 5.0               | 5.5                  |
| CM02-801M   | 9.0                  | 800                                       | 3.5               | 13.2                 |
| CM02-102M   | 11.0                 | 1000                                      | 2.5               | 30.0                 |

### TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS

Dimensions(mm)



Note:

- Inductance Testing: 1KHz 1V HP4284A
- Z test with HP4191A or HP4395A
- RDC: QuadTech 1880 Milliohm meter
- Operating temperature: -40°C to +105°C
- Storage Temperature: -40°C to +105°C
- Resistance to soldering heat: 260°C for 10 seconds
- Marking: Part number and date code

Note: All specifications subject to change without notice.