



**MK SERIES**

# HIGH PERFORMANCE PC BOARD MOUNTING FILTERS



## INTRODUCTIONS

1. Direct PC board mounting for easy installation.
2. All part numbers are UL recognized, CSA certified and VDE approved.
3. Optional medical version.

## COMPONENTS

| PART NO. | Cx (uF) | L (mH) | Cy (pF) | R   |
|----------|---------|--------|---------|-----|
| 01MK4E   | 0.1     | 10     | 2200    | 1MΩ |
| 03MK4E   |         | 2.5    |         |     |
| 06MK4E   |         | 1      |         |     |
| 10MK4E   |         |        |         |     |

## MINIMUM INSERTION LOSS IN dB

| COMMON MODE (L-G) IN 50 OHM SYSTEM       |                |               |     |     |     |    |    |  |
|------------------------------------------|----------------|---------------|-----|-----|-----|----|----|--|
| TYPE                                     | CURRENT RATING | FREQUENCY-MHz |     |     |     |    |    |  |
|                                          |                | .15           | .50 | 1.0 | 5.0 | 10 | 30 |  |
| 01MK4E                                   | 1A             | 30            | 50  | 40  | 40  | 35 | 20 |  |
| 03MK4E                                   | 3A             | 20            | 30  | 45  | 48  | 45 | 30 |  |
| 06MK4E                                   | 6A             | 15            | 25  | 30  | 45  | 40 | 30 |  |
| 10MK4E                                   | 10A            | 12            | 20  | 30  | 30  | 35 | 25 |  |
| DIFFERENTIAL MODE (L-L) IN 50 OHM SYSTEM |                |               |     |     |     |    |    |  |
| 01MK4E                                   | 1A             | 5             | 25  | 40  | 40  | 40 | 20 |  |
| 03MK4E                                   | 3A             | 5             | 15  | 25  | 35  | 35 | 28 |  |
| 06MK4E                                   | 6A             | 5             | 12  | 20  | 20  | 30 | 25 |  |
| 10MK4E                                   | 10A            | 5             | 15  | 20  | 30  | 35 | 35 |  |

## MECHANICAL CONSTRUCTION

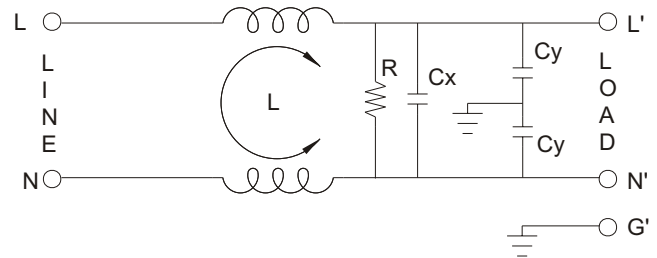


MK4E

## SPECIFICATIONS

1. Maximum leakage current each line-to-ground @115VAC 60Hz: 0.2mA  
@250VAC 50Hz: 0.4mA
2. Hipot rating (one minute)  
line-to-ground: 2250VDC  
line-to-line: 1450VDC
3. Operating frequency: 50/60 Hz
4. Rated voltage: 115/250VAC

## ELECTRICAL SCHEMATIC



## SERIES DIMENSIONS

| PART NO. | DIMENSIONS IN INCHES/mm |       |      |
|----------|-------------------------|-------|------|
|          | A                       | B     | C    |
| 01MK4E   | 0.65                    | 0.03  | 0.04 |
| 03MK4E   | 16.5                    | 0.8   | 1.1  |
| 06MK4E   |                         |       |      |
| 10MK4E   | 0.79                    | 0.047 | 0.06 |
|          | 20.0                    | 1.2   | 1.5  |

