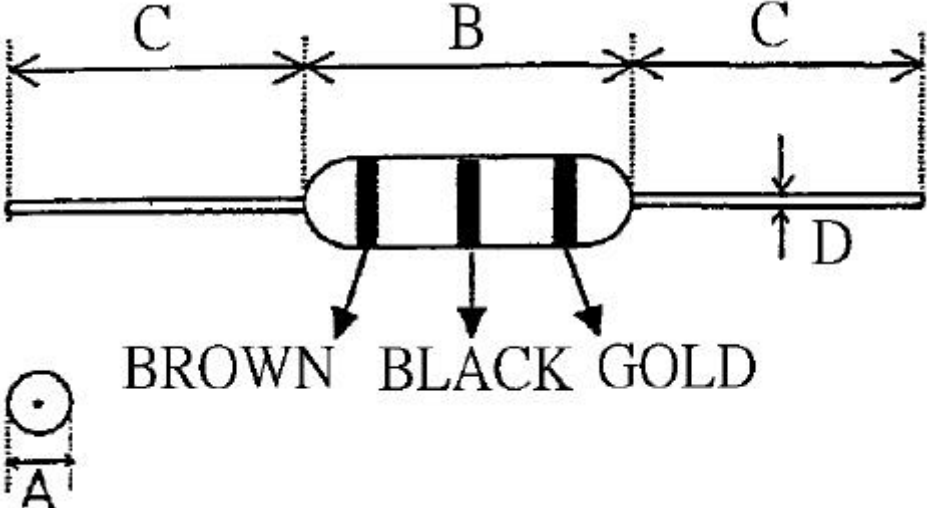


# MEC®

## CONFORMAL COATED INDUCTOR

|                                                                                                            |                           |                     |                 |                                                                   |                    |                          |            |
|------------------------------------------------------------------------------------------------------------|---------------------------|---------------------|-----------------|-------------------------------------------------------------------|--------------------|--------------------------|------------|
| ISSUE DRAWING                                                                                              |                           | 2000 / 09 / 26      |                 | OUR P/N                                                           |                    | EC22-1R0K                |            |
|  <p>BROWN BLACK GOLD</p> |                           |                     |                 |                                                                   |                    | A                        | 2.8AX      |
|                                                                                                            |                           |                     |                 |                                                                   |                    | B                        | 4.0AX      |
|                                                                                                            |                           |                     |                 |                                                                   |                    | C                        | 31.0 ± 3   |
|                                                                                                            |                           |                     |                 |                                                                   |                    | D                        | 0.50± 0.05 |
|                                                                                                            |                           |                     |                 |                                                                   |                    | E                        |            |
|                                                                                                            |                           |                     |                 |                                                                   |                    | F                        |            |
|                                                                                                            |                           |                     |                 |                                                                   |                    | G                        |            |
|                                                                                                            |                           |                     |                 |                                                                   |                    | H                        |            |
| UNIT: MM                                                                                                   |                           |                     |                 |                                                                   |                    | NOTE                     |            |
| TERMINAL                                                                                                   | WIRE SIZE                 | TURNS               |                 |                                                                   |                    |                          |            |
| S-----F                                                                                                    | 0.1MM                     | 11 TS               |                 |                                                                   |                    |                          |            |
| TEST CONDITION: TEMPERATURE @25°C HUMIDITY @ 65 ± 5%                                                       |                           |                     |                 |                                                                   |                    |                          |            |
| TEST INSTRUMENT                                                                                            |                           | HP.4342A Q---METER  |                 |                                                                   | 1 KHZ              |                          |            |
|                                                                                                            |                           | TEST FREQ. @25.2MHZ |                 |                                                                   | 100-LCR            |                          |            |
| TEST TERMINAL                                                                                              | Q                         | S . R . F           | INDUCTANCE (uH) | D. C. R RESISTANCE                                                | RATED . DC CURRENT |                          |            |
| S-----F                                                                                                    | MIN                       | (MHz) MIN           | ± 10%           | (OHM) MAX                                                         | (mA) MAX           |                          |            |
|                                                                                                            | 50                        | 110                 | 1.0             | 0.22                                                              | 270                |                          |            |
| ELECTRICAL CHARACTERISTICS                                                                                 |                           |                     |                 |                                                                   |                    |                          |            |
| MATERIAL                                                                                                   |                           |                     |                 |                                                                   |                    |                          |            |
| S-----F                                                                                                    |                           |                     | LY              |                                                                   |                    | WIRE                     |            |
| CODE                                                                                                       |                           |                     | LY 9 1.8 x 2    |                                                                   |                    | 0.1MM                    |            |
| DATE                                                                                                       | MANUFACTURER              |                     | SIZE            | MATERIAL                                                          |                    | UL FILE NO.              |            |
| MAGNET WIRE                                                                                                | PACIFIC CO<br>KOK HONG CO |                     | 0.1MM           | POLYURETHANE ENA<br>MELLED. WIRE(USE<br>TYPE: 2)<br>OR EQUIVALENT |                    | E84081 (S)<br>E94064 (S) |            |

MOBICON GROUP