



## Features

- High current; very low DCR
- Soft saturation makes them
- AEC-Q200 Grade 1 (-40°C to +125°C)

## Package

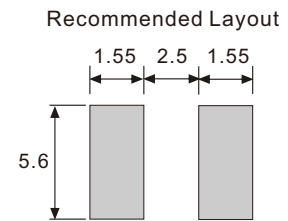
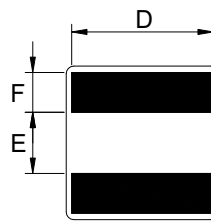
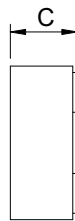
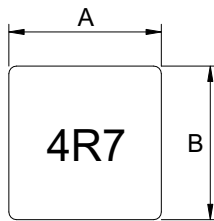
- MXAL6030 - 1000 PCS/Reel

## General Specifications

- Inductance tested at 100kHz, 0.1Vrms
- Isat: Inductance 30% drop max at DC current.
- Irms: Current that cause 40°C rise from 25°C



## ► Dimensions & Configurations (Unit:mm)



| Type     | A (±0.2) | B (±0.2) | C (Max.) | D (±0.3) | E (±0.3) | F (±0.3) |
|----------|----------|----------|----------|----------|----------|----------|
| MXAL6030 | 6.6      | 6.4      | 3.1      | 5.3      | 2.6      | 1.4      |

## ► Electrical Characteristics For MXAL6030 Series

| Part Number   | Inductance (μH)<br>±20% | DCR (mΩ)<br>Max. | Isat (A)<br>Max. | Irms (A)<br>Typ. |
|---------------|-------------------------|------------------|------------------|------------------|
| MXAL6030-R18M | 0.18                    | 1.75             | 36               | 32               |
| MXAL6030-R33M | 0.33                    | 2.5              | 28               | 25               |
| MXAL6030-R56M | 0.56                    | 3.31             | 25               | 22               |
| MXAL6030-R68M | 0.68                    | 5.17             | 21               | 20               |
| MXAL6030-1R0M | 1                       | 6.05             | 18               | 18               |
| MXAL6030-1R2M | 1.2                     | 7.4              | 16               | 16               |
| MXAL6030-1R5M | 1.5                     | 9.13             | 15.5             | 15               |
| MXAL6030-1R8M | 1.8                     | 10.2             | 13               | 14               |
| MXAL6030-2R2M | 2.2                     | 12.2             | 11               | 10               |
| MXAL6030-3R3M | 3.3                     | 20.8             | 9                | 8                |
| MXAL6030-4R5M | 4.5                     | 25.3             | 8                | 7                |