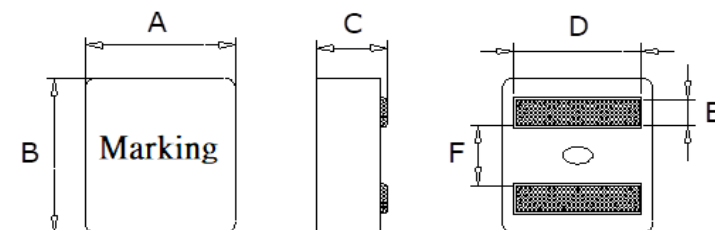


## Features

- All test data is referenced to 25 °C ambient
- $I_{dc1}(I_{sat})$ : will cause  $L_0$  to drop 30% approximately.
- $I_{dc2}(I_{rms})$ : will cause the coil temperature rise of 40°C approximately ( $\Delta t$ )
- Operating temperature range: - 55 °C to + 125 °C
- Storage temperature range: -55°C to +125°C.
- Tape and reel packaging: -55°C to +80°C



| Part Number   | Inductance<br>( $\mu H$ ) $\pm 20\%$<br>@100KHz/0.1V | DC Resistance<br>( $m\Omega$ )<br>Max. | $I_{dc1}(I_{sat})$<br>(A) |      | $I_{dc2}(I_{rms})$<br>(A) |
|---------------|------------------------------------------------------|----------------------------------------|---------------------------|------|---------------------------|
|               |                                                      |                                        | Max.                      | Typ. | Typ.                      |
| YMT0430A-R47M | 0.47                                                 | 7.26                                   | 15.0                      | 17.0 | 14.0                      |
| YMT0430A-1R0M | 1.00                                                 | 10.10                                  | 9.2                       | 9.8  | 11.0                      |
| YMT0430A-1R2M | 1.20                                                 | 11.50                                  | 8.7                       | 9.2  | 9.8                       |
| YMT0430A-1R5M | 1.50                                                 | 13.20                                  | 7.0                       | 8.0  | 9.0                       |
| YMT0430A-2R2M | 2.20                                                 | 22.60                                  | 6.1                       | 7.0  | 7.8                       |
| YMT0430A-3R3M | 3.30                                                 | 28.60                                  | 5.3                       | 6.2  | 6.6                       |

| A              | B              | C             | D             | E              | F             |
|----------------|----------------|---------------|---------------|----------------|---------------|
| $4.1 \pm 0.25$ | $4.1 \pm 0.25$ | $2.8 \pm 0.2$ | $3.4 \pm 0.3$ | $0.88 \pm 0.3$ | $1.7 \pm 0.3$ |

