



Dimensions

| Code | A | B | C | D |
|-----------------|---------------|---------------|---------|---------|
| Dimensions (mm) | 4.1 ± 0.2 | 4.1 ± 0.2 | 3.1 max | 1.2 typ |

Specifications

| Characteristic | L_0 (μH) | I_{rms} (A) | I_{sat} (A) | DCR_{typ} ($\text{m}\Omega$) | DCR_{max} ($\text{m}\Omega$) |
|------------------|-------------------------|----------------------|----------------------|--|--|
| DCTC0431A-1R0M-E | 1 | 10.5 | 11 | 5.1 | 6.2 |
| DCTC0431A-1R5M-E | 1.5 | 9 | 10.0 | 7.3 | 8.8 |
| DCTC0431A-2R2M-E | 2.2 | 7.5 | 9 | 11.5 | 13.8 |
| DCTC0431A-3R3M-E | 3.3 | 6 | 6.5 | 17.4 | 20.8 |
| DCTC0431A-4R7M-E | 4.7 | 5 | 5.5 | 22.3 | 26.8 |

I_{rms} : DC current for an approximate temperature rise of 40°C without core loss

DC current for approximately 30% rolloff at $+25^\circ\text{C}$

Temperature grade -55°C - 125°C