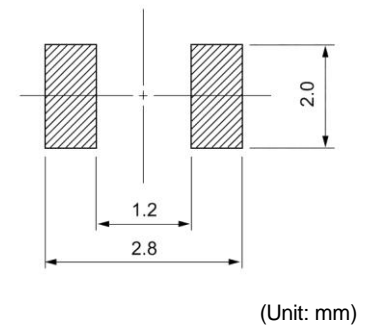
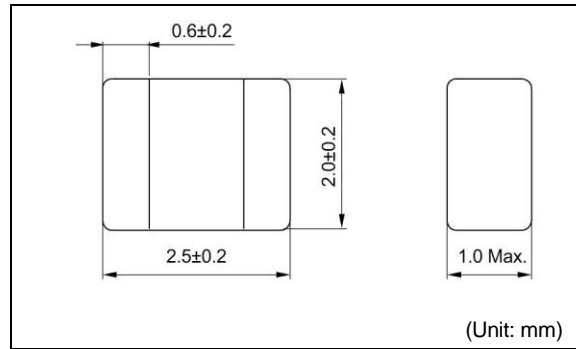
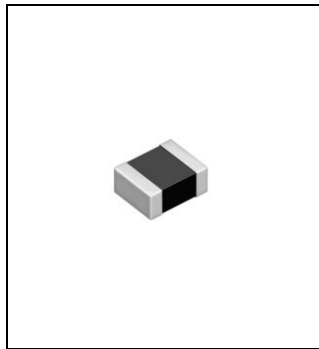


DFE252010C

Inductance Range: 0.47~10.0μH


Recommended patterns
 推奨パターン図


FEATURES 特長

- Miniature size: 2520 footprint (2.5mm×2.0mm) and low profile(1.0mm Max. height)
- The use of magnetic iron powder ensure capability for large current.
- The use of Flat wire for Low DC resistance.
- Magnetically shielded, low audible core noise.
- Reflow solderable.
- Operating temperature : -40~+85°C
- 小型薄型構造 (2.5 x 2.0mm角、高さ1.0mm Max.)
- 磁性材に鉄系磁性粉を用いた大電流対応
- 平角線採用による低直流抵抗
- 閉磁路構造、低コア鳴きノイズ
- リフロはんだ対応
- 動作温度範囲 : -40~+85°C

STANDARD PART NUMBERS 標準品一覧

TYPE DFE252010C (Quantity/reel; 3,000 PCS)

| 品番 | インダクタンス ⁽¹⁾ | 許容差 | 測定周波数 | 直流抵抗 ⁽²⁾ | 直流重畳許容電流 ⁽³⁾ | 温度上昇許容電流 ⁽⁴⁾ |
|------------------|-----------------------------------|---------------|----------------------|---|--|---|
| Part Number | Inductance ⁽¹⁾ (μH) | Tolerance (%) | Test Frequency (MHz) | DC Resistance ⁽²⁾ Max. (Typ.) | Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$ | Temperature Rise Current ⁽⁴⁾ $\Delta T = 40^\circ\text{C}$ (A) Max. (Typ.) |
| 1269AS-H-R47M=P2 | 0.47 | ±20 | 1 | 46 (35) | 3.5 (4.4) | 3.1 (3.6) |
| 1269AS-H-1R0M=P2 | 1.0 | ±20 | 1 | 78 (60) | 2.7 (3.4) | 2.5 (3.0) |
| 1269AS-H-1R5M=P2 | 1.5 | ±20 | 1 | 108 (90) | 2.1 (2.7) | 1.9 (2.3) |
| 1269AS-H-2R2M=P2 | 2.2 | ±20 | 1 | 156 (130) | 1.9 (2.4) | 1.5 (1.8) |
| 1269AS-H-3R3M=P2 | 3.3 | ±20 | 1 | 228 (190) | 1.5 (1.9) | 1.2 (1.4) |
| 1269AS-H-4R7M=P2 | 4.7 | ±20 | 1 | 300 (250) | 1.3 (1.6) | 1.0 (1.2) |
| 1269AS-H-6R8M=P2 | 6.8 | ±20 | 1 | 516 (430) | 1.1 (1.4) | 0.76 (0.9) |
| 1269AS-H-100N=P2 | 10 | ±30 | 1 | 689 (530) | 1.0 (1.2) | 0.68 (0.8) |

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 1MHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541 (HIOKI). (Reference ambient temperature 20°C)

(3) Inductance Decrease Current based upon 30% inductance reduction from the initial value

(4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 20°C)

(1) インダクタンスはLCRメータ4284A (Agilent Technologies) または同等品により測定する。測定周波数は1MHz。

(2) 直流抵抗は測定器34420A (Agilent Technologies) または3541 (HIOKI) と同等品により測定する。(周囲温度20°C)

(3) 直流重畳許容電流: 直流重畳電流を流した時インダクタンスの値が初期値より30%減少する直流電流値

(4) 温度上昇許容電流: コイルの温度が40°C上昇する値 (周囲温度20°Cを基準とする。)