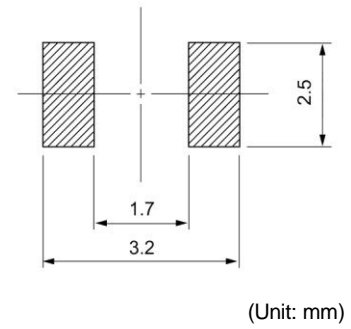
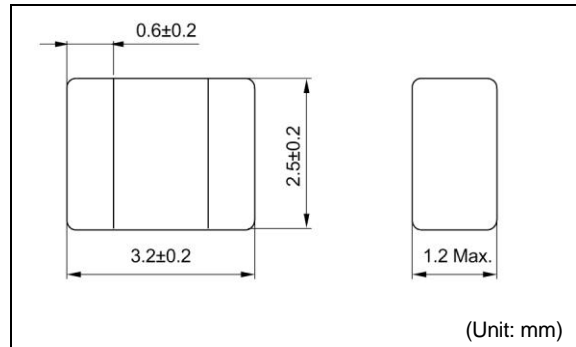
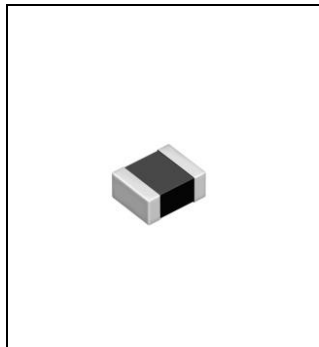




DFE322512C

Inductance Range: 0.47~10μH

Recommended patterns
 推奨パターン図


FEATURES 特長

- Miniature size: 3225 footprint (3.2mm×2.5mm) and low profile(1.2mm 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 (3.2 x 2.5mm角、高さ1.2mm 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 DFE322512C (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⁾ (mΩ) Max. (Typ.) | Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$ | Temperature Rise Current ⁽⁴⁾ (A) Max. (Typ.) $\Delta T = 40^\circ\text{C}$ |
| 1277AS-H-R47M=P2 | 0.47 | ±20 | 1 | 31 (21) | 4.7 (5.9) | 3.7 (4.4) |
| 1277AS-H-R68M=P2 | 0.68 | ±20 | 1 | 35 (27) | 4.2 (5.3) | 3.5 (4.1) |
| 1277AS-H-1R0M=P2 | 1.0 | ±20 | 1 | 45 (34) | 3.7 (4.6) | 3.1 (3.7) |
| 1277AS-H-1R5M=P2 | 1.5 | ±20 | 1 | 65 (50) | 3.0 (3.7) | 2.6 (3.0) |
| 1277AS-H-2R2M=P2 | 2.2 | ±20 | 1 | 84 (70) | 2.6 (3.2) | 2.1 (2.5) |
| 1277AS-H-3R3M=P2 | 3.3 | ±20 | 1 | 126 (105) | 2.1 (2.6) | 1.8 (2.1) |
| 1277AS-H-4R7M=P2 | 4.7 | ±20 | 1 | 180 (150) | 1.8 (2.2) | 1.4 (1.7) |
| 1277AS-H-6R8M=P2 | 6.8 | ±20 | 1 | 276 (230) | 1.5 (1.9) | 1.2 (1.5) |
| 1277AS-H-100M=P2 | 10 | ±20 | 1 | 420 (350) | 1.2 (1.5) | 0.9 (1.1) |

- (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。)