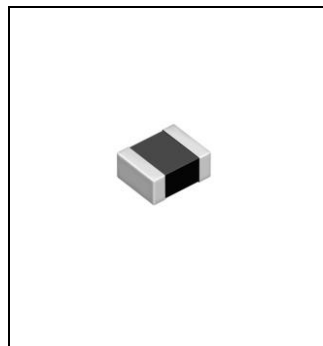
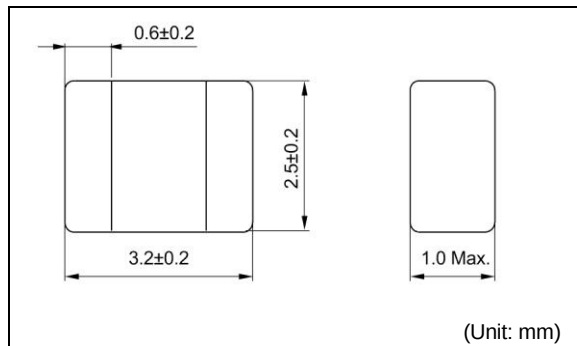
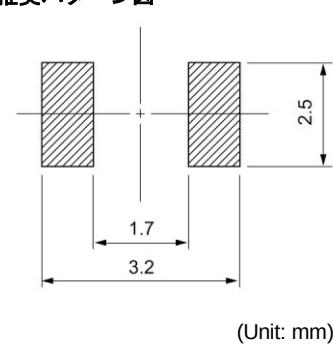


# DFE322510C

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(1.0mm 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 (3.2×2.5mm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 DFE322510C (Quantity/reel; 3,000 PCS)

| 品番               | インダクタンス <sup>(1)</sup>            | 許容差           | 測定周波数                | 直流抵抗 <sup>(2)</sup>                              | 直流重畳許容電流 <sup>(3)</sup>                                                                      | 温度上昇許容電流 <sup>(4)</sup>                                               |
|------------------|-----------------------------------|---------------|----------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| Part Number      | Inductance <sup>(1)</sup><br>(μH) | Tolerance (%) | Test Frequency (MHz) | DC Resistance <sup>(2)</sup><br>(mΩ) Max. (Typ.) | Inductance Decrease Current <sup>(3)</sup><br>(A) Max. (Typ.)<br>$\frac{\Delta L}{L} = 30\%$ | Temperature Rise Current <sup>(4)</sup><br>ΔT=40°C<br>(A) Max. (Typ.) |
| 1276AS-H-R47M=P2 | 0.47                              | ±20           | 1                    | 38 (28)                                          | 3.8 (4.7)                                                                                    | 3.3 (3.9)                                                             |
| 1276AS-H-R68M=P2 | 0.68                              | ±20           | 1                    | 45 (35)                                          | 3.5 (4.4)                                                                                    | 2.9 (3.5)                                                             |
| 1276AS-H-1R0M=P2 | 1.0                               | ±20           | 1                    | 62 (48)                                          | 3.1 (3.9)                                                                                    | 2.6 (3.1)                                                             |
| 1276AS-H-1R5M=P2 | 1.5                               | ±20           | 1                    | 87 (72)                                          | 2.6 (3.2)                                                                                    | 2.1 (2.5)                                                             |
| 1276AS-H-2R2M=P2 | 2.2                               | ±20           | 1                    | 118 (98)                                         | 2.2 (2.8)                                                                                    | 1.6 (1.9)                                                             |
| 1276AS-H-3R3M=P2 | 3.3                               | ±20           | 1                    | 190 (158)                                        | 1.8 (2.2)                                                                                    | 1.4 (1.7)                                                             |
| 1276AS-H-4R7M=P2 | 4.7                               | ±20           | 1                    | 264 (220)                                        | 1.6 (2.0)                                                                                    | 1.2 (1.4)                                                             |
| 1276AS-H-6R8M=P2 | 6.8                               | ±20           | 1                    | 378 (315)                                        | 1.3 (1.6)                                                                                    | 1.0 (1.2)                                                             |
| 1276AS-H-100M=P2 | 10                                | ±20           | 1                    | 588 (490)                                        | 1.0 (1.3)                                                                                    | 0.8 (0.9)                                                             |

- (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。)