

# MULTILAYER CHIP INDUCTORS 積層式晶片電感

## EBLS series 系列

Electrical characteristics 電氣特性

Shape(尺寸):1608(0603)



| Part Number<br>料號 | Inductance 感值<br>( $\mu$ H)<br>Tolerance 公差 | Q<br>Min<br>品質<br>係數 | Test<br>Frequency<br>L,Q(MHz)<br>測試頻率 | Self-resonant<br>Frequency<br>(MHz)Min<br>共振頻率 | DC<br>Resistance<br>( $\Omega$ )Max<br>直流電阻 | Rated<br>Current<br>(mA)Max<br>額定電流 | Thickness<br>(m/m)<br>厚度 |
|-------------------|---------------------------------------------|----------------------|---------------------------------------|------------------------------------------------|---------------------------------------------|-------------------------------------|--------------------------|
| EBLS1608-47NM     | 0.047 $\pm$ 20%                             | 10                   | 50                                    | 260                                            | 0.30                                        | 50                                  | 0.8 $\pm$ 0.15           |
| EBLS1608-68NM     | 0.068 $\pm$ 20%                             | 10                   | 50                                    | 250                                            | 0.30                                        | 50                                  | 0.8 $\pm$ 0.15           |
| EBLS1608-82NM     | 0.082 $\pm$ 20%                             | 10                   | 50                                    | 245                                            | 0.30                                        | 50                                  | 0.8 $\pm$ 0.15           |
| EBLS1608-R10K,M   | 0.10 $\pm$ 10%, $\pm$ 20%                   | 15                   | 25                                    | 240                                            | 0.50                                        | 50                                  | 0.8 $\pm$ 0.15           |
| EBLS1608-R12K,M   | 0.12 $\pm$ 10%, $\pm$ 20%                   | 15                   | 25                                    | 205                                            | 0.50                                        | 50                                  | 0.8 $\pm$ 0.15           |
| EBLS1608-R15K,M   | 0.15 $\pm$ 10%, $\pm$ 20%                   | 15                   | 25                                    | 180                                            | 0.60                                        | 50                                  | 0.8 $\pm$ 0.15           |
| EBLS1608-R18K,M   | 0.18 $\pm$ 10%, $\pm$ 20%                   | 15                   | 25                                    | 165                                            | 0.60                                        | 50                                  | 0.8 $\pm$ 0.15           |
| EBLS1608-R22K,M   | 0.22 $\pm$ 10%, $\pm$ 20%                   | 15                   | 25                                    | 150                                            | 0.80                                        | 50                                  | 0.8 $\pm$ 0.15           |
| EBLS1608-R27K,M   | 0.27 $\pm$ 10%, $\pm$ 20%                   | 15                   | 25                                    | 136                                            | 0.80                                        | 50                                  | 0.8 $\pm$ 0.15           |
| EBLS1608-R33 K,M  | 0.33 $\pm$ 10%, $\pm$ 20%                   | 15                   | 25                                    | 125                                            | 0.85                                        | 35                                  | 0.8 $\pm$ 0.15           |
| EBLS1608-R39K,M   | 0.39 $\pm$ 10%, $\pm$ 20%                   | 15                   | 25                                    | 110                                            | 1.00                                        | 35                                  | 0.8 $\pm$ 0.15           |
| EBLS1608-R47K,M   | 0.47 $\pm$ 10%, $\pm$ 20%                   | 15                   | 25                                    | 105                                            | 1.35                                        | 35                                  | 0.8 $\pm$ 0.15           |
| EBLS1608-R56K,M   | 0.56 $\pm$ 10%, $\pm$ 20%                   | 15                   | 25                                    | 95                                             | 1.55                                        | 35                                  | 0.8 $\pm$ 0.15           |
| EBLS1608-R68K,M   | 0.68 $\pm$ 10%, $\pm$ 20%                   | 15                   | 25                                    | 90                                             | 1.70                                        | 35                                  | 0.8 $\pm$ 0.15           |
| EBLS1608-R82K,M   | 0.82 $\pm$ 10%, $\pm$ 20%                   | 15                   | 25                                    | 85                                             | 2.10                                        | 35                                  | 0.8 $\pm$ 0.15           |
| EBLS1608-1R0K,M   | 1.0 $\pm$ 10%, $\pm$ 20%                    | 35                   | 10                                    | 75                                             | 0.60                                        | 25                                  | 0.8 $\pm$ 0.15           |
| EBLS1608-1R2K,M   | 1.2 $\pm$ 10%, $\pm$ 20%                    | 35                   | 10                                    | 65                                             | 0.80                                        | 25                                  | 0.8 $\pm$ 0.15           |
| EBLS1608-1R5K,M   | 1.5 $\pm$ 10%, $\pm$ 20%                    | 35                   | 10                                    | 60                                             | 0.80                                        | 25                                  | 0.8 $\pm$ 0.15           |
| EBLS1608-1R8K,M   | 1.8 $\pm$ 10%, $\pm$ 20%                    | 35                   | 10                                    | 55                                             | 0.95                                        | 25                                  | 0.8 $\pm$ 0.15           |
| EBLS1608-2R2K,M   | 2.2 $\pm$ 10%, $\pm$ 20%                    | 35                   | 10                                    | 50                                             | 1.15                                        | 15                                  | 0.8 $\pm$ 0.15           |
| EBLS1608-2R7K,M   | 2.7 $\pm$ 10%, $\pm$ 20%                    | 35                   | 10                                    | 45                                             | 1.35                                        | 15                                  | 0.8 $\pm$ 0.15           |
| EBLS1608-3R3K,M   | 3.3 $\pm$ 10%, $\pm$ 20%                    | 35                   | 10                                    | 40                                             | 1.55                                        | 15                                  | 0.8 $\pm$ 0.15           |
| EBLS1608-3R9K,M   | 3.9 $\pm$ 10%, $\pm$ 20%                    | 35                   | 10                                    | 35                                             | 1.70                                        | 15                                  | 0.8 $\pm$ 0.15           |
| EBLS1608-4R7K,M   | 4.7 $\pm$ 10%, $\pm$ 20%                    | 35                   | 10                                    | 33                                             | 2.10                                        | 15                                  | 0.8 $\pm$ 0.15           |
| EBLS1608-5R6K,M   | 5.6 $\pm$ 10%, $\pm$ 20%                    | 35                   | 4                                     | 22                                             | 1.55                                        | 5                                   | 0.8 $\pm$ 0.15           |
| EBLS1608-6R8K,M   | 6.8 $\pm$ 10%, $\pm$ 20%                    | 35                   | 4                                     | 20                                             | 1.70                                        | 5                                   | 0.8 $\pm$ 0.15           |
| EBLS1608-8R2K,M   | 8.2 $\pm$ 10%, $\pm$ 20%                    | 35                   | 4                                     | 18                                             | 2.10                                        | 5                                   | 0.8 $\pm$ 0.15           |
| EBLS1608-100K,M   | 10 $\pm$ 10%, $\pm$ 20%                     | 30                   | 2                                     | 17                                             | 1.85                                        | 3                                   | 0.8 $\pm$ 0.15           |
| EBLS1608-120K,M   | 12 $\pm$ 10%, $\pm$ 20%                     | 30                   | 2                                     | 15                                             | 2.10                                        | 3                                   | 0.8 $\pm$ 0.15           |
| EBLS1608-150K,M   | 15 $\pm$ 10%, $\pm$ 20%                     | 20                   | 1                                     | 14                                             | 1.70                                        | 1                                   | 0.8 $\pm$ 0.15           |

\* TEST EQUIPMENT: HP-4291A IMPEDANCE ANALYZER \*量測儀器 : HP-4291A 阻值分析儀

\* Max Echo reserves the rights for revising the content of this catalog without further notification.  
 鈺鎧保留更改此目錄中任何內容之權利。而不再另行通知。

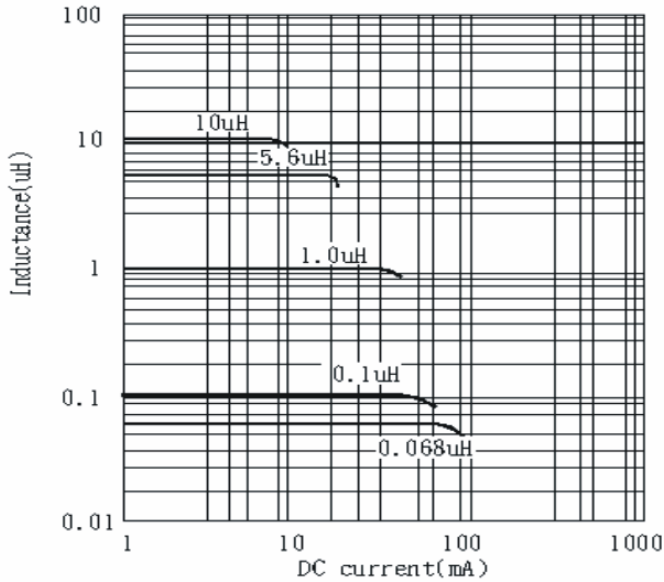
# MULTILAYER CHIP INDUCTORS 積層式晶片電感

EBLS series 系列

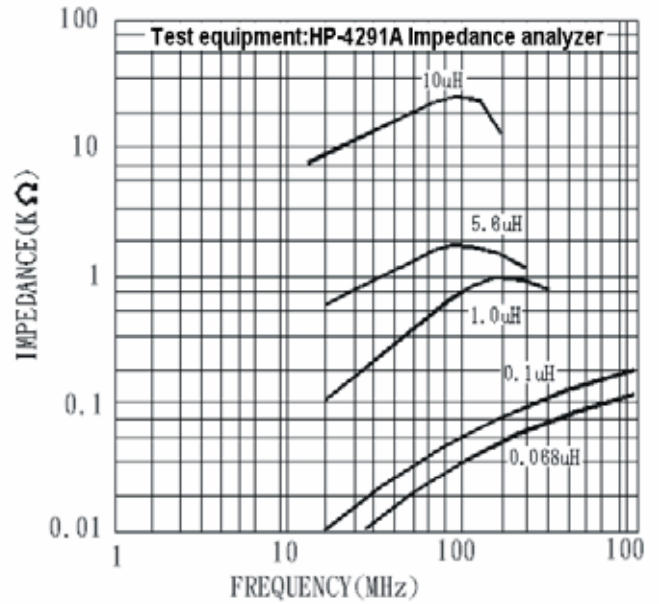
EBLS1608(0603) TYPE 型號

TYPICAL ELECTRICAL CHARACTERISTICS 典型之電氣特性

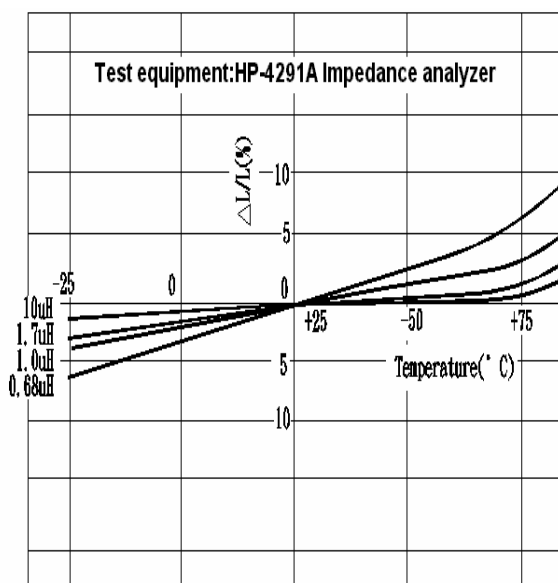
INDUCTANCE vs. DC SUPERPOSITION



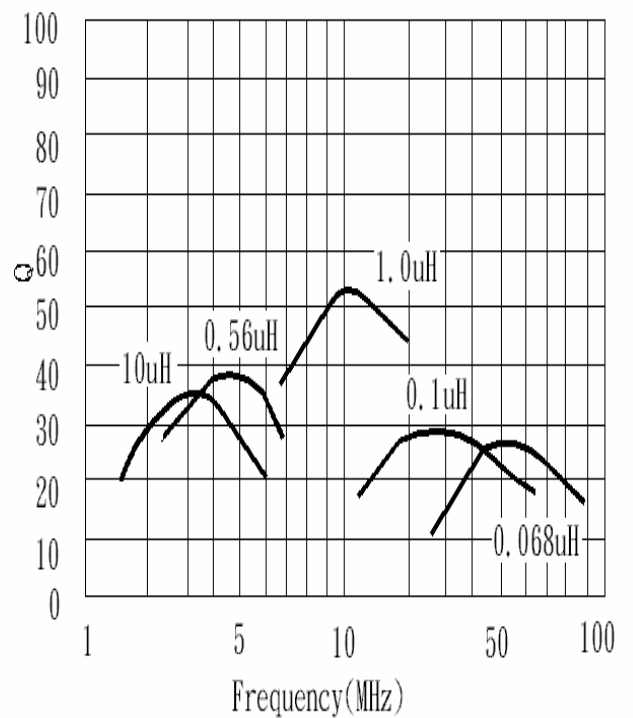
IMPEDANCE vs. FREQUENCY



INDUCTANCE vs. TEMPERATURE



Q vs.



\* Max Echo reserves the rights for revising the content of this catalog without further notification.  
 鈺鎧保留更改此目錄中任何內容之權利，而不再另行通知。