



DESIGN KIT

WE-MK 0402 (A-Type) Multilayer Ceramic SMD Inductor



SIZE:

0402 (A-Type)

TECHNICAL DATA:

L: 1.0 ~ 270 nH

Q_{min} : 8

SRF: 400 ~ 10000 MHz

R_{dc} : 0.10 ~ 4.50 Ω

Order Code 744 784 A
Version 1.0

WE-MK 0402 (A-Type) Multilayer Ceramic SMD Inductor



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| 744 784 010 A | 744 784 012 A | 744 784 015 A | 744 784 018 A | 744 784 022 A | 744 784 027 A |
| L: 1 nH @100 MHz | L: 1.2 nH @100 MHz | L: 1.5 nH @100 MHz | L: 1.8 nH @100 MHz | L: 2.2 nH @100 MHz | L: 2.7 nH @100 MHz |
| Q _{min} : 8 @100 MHz | Q _{min} : 8 @100 MHz | Q _{min} : 8 @100 MHz | Q _{min} : 8 @100 MHz | Q _{min} : 8 @100 MHz | Q _{min} : 8 @100 MHz |
| SRF: 10000 MHz | SRF: 10000 MHz | SRF: 6000 MHz | SRF: 6000 MHz | SRF: 6000 MHz | SRF: 6000 MHz |
| R _{DC} : 0.10 Ω | R _{DC} : 0.10 Ω | R _{DC} : 0.10 Ω | R _{DC} : 0.10 Ω | R _{DC} : 0.16 Ω | R _{DC} : 0.17 Ω |

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| 744 784 033 A | 744 784 039 A | 744 784 047 A | 744 784 056 A | 744 784 068 A | 744 784 082 A |
| L: 3.3 nH @100 MHz | L: 3.9 nH @100 MHz | L: 4.7 nH @100 MHz | L: 5.6 nH @100 MHz | L: 6.8 nH @100 MHz | L: 8.2 nH @100 MHz |
| Q _{min} : 8 @100 MHz | Q _{min} : 8 @100 MHz | Q _{min} : 8 @100 MHz | Q _{min} : 8 @100 MHz | Q _{min} : 8 @100 MHz | Q _{min} : 8 @100 MHz |
| SRF: 6000 MHz | SRF: 4000 MHz | SRF: 4000 MHz | SRF: 4000 MHz | SRF: 3900 MHz | SRF: 3600 MHz |
| R _{DC} : 0.19 Ω | R _{DC} : 0.20 Ω | R _{DC} : 0.20 Ω | R _{DC} : 0.30 Ω | R _{DC} : 0.30 Ω | R _{DC} : 0.37 Ω |

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| 744 784 110 A | 744 784 112 A | 744 784 115 A | 744 784 118 A | 744 784 122 A | 744 784 127 A |
| L: 10 nH @100 MHz | L: 12 nH @100 MHz | L: 15 nH @100 MHz | L: 18 nH @100 MHz | L: 22 nH @100 MHz | L: 27 nH @100 MHz |
| Q _{min} : 8 @100 MHz | Q _{min} : 8 @100 MHz | Q _{min} : 8 @100 MHz | Q _{min} : 8 @100 MHz | Q _{min} : 8 @100 MHz | Q _{min} : 8 @100 MHz |
| SRF: 3200 MHz | SRF: 2700 MHz | SRF: 2700 MHz | SRF: 2100 MHz | SRF: 1900 MHz | SRF: 1600 MHz |
| R _{DC} : 0.40 Ω | R _{DC} : 0.50 Ω | R _{DC} : 0.50 Ω | R _{DC} : 0.60 Ω | R _{DC} : 0.60 Ω | R _{DC} : 0.70 Ω |

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| 744 784 133 A | 744 784 139 A | 744 784 147 A | 744 784 156 A | 744 784 168 A | 744 784 182 A |
| L: 33 nH @100 MHz | L: 39 nH @100 MHz | L: 47 nH @100 MHz | L: 56 nH @100 MHz | L: 68 nH @100 MHz | L: 82 nH @100 MHz |
| Q _{min} : 8 @100 MHz | Q _{min} : 8 @100 MHz | Q _{min} : 8 @100 MHz | Q _{min} : 8 @100 MHz | Q _{min} : 8 @100 MHz | Q _{min} : 8 @100 MHz |
| SRF: 1300 MHz | SRF: 1200 MHz | SRF: 1000 MHz | SRF: 750 MHz | SRF: 750 MHz | SRF: 750 MHz |
| R _{DC} : 0.80 Ω | R _{DC} : 1.00 Ω | R _{DC} : 1.10 Ω | R _{DC} : 1.60 Ω | R _{DC} : 2.10 Ω | R _{DC} : 2.40 Ω |

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| 744 784 210 A | 744 784 212 A | 744 784 215 A | 744 784 218 A | 744 784 222 A | 744 784 227 A |
| L: 100 nH @100 MHz | L: 120 nH @100 MHz | L: 150 nH @100 MHz | L: 180 nH @100 MHz | L: 220 nH @100 MHz | L: 270 nH @100 MHz |
| Q _{min} : 8 @100 MHz | Q _{min} : 8 @100 MHz | Q _{min} : 8 @100 MHz | Q _{min} : 8 @100 MHz | Q _{min} : 8 @100 MHz | Q _{min} : 8 @100 MHz |
| SRF: 700 MHz | SRF: 600 MHz | SRF: 550 MHz | SRF: 500 MHz | SRF: 450 MHz | SRF: 400 MHz |
| R _{DC} : 2.50 Ω | R _{DC} : 2.50 Ω | R _{DC} : 3.20 Ω | R _{DC} : 3.70 Ω | R _{DC} : 4.00 Ω | R _{DC} : 4.50 Ω |

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Please check datasheets on www.we-online.com for specifications.
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