



DESIGN KIT

WE-KI 0603 SMD Wire Wound Ceramic Inductor



SIZE:

0603

TECHNICAL DATA:

L: 1.6 ~ 390 nH
Q_{min}: 16 ~ 40
SRF: 500 ~ 12500 MHz
R_{DC}: 0.03 ~ 2.3 Ω

Order Code 744 761
Version 1.0

WE-KI 0603

SMD Wire Wound Ceramic Inductor



744 761 016 C

| | |
|--------------------|------------------|
| L: | 1.6 nH @ 250 MHz |
| Q _{min} : | 18 @ 250 MHz |
| SRF: | 12500 MHz |
| R _{DC} : | 0.03 Ω |

744 761 018 A

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|--------------------|------------------|
| L: | 1.8 nH @ 250 MHz |
| Q _{min} : | 16 @ 250 MHz |
| SRF: | 12500 MHz |
| R _{DC} : | 0.05 Ω |

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|--------------------|----------------|
| L: | 2 nH @ 250 MHz |
| Q _{min} : | 16 @ 250 MHz |
| SRF: | 6900 MHz |
| R _{DC} : | 0.08 Ω |

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|--------------------|------------------|
| L: | 3.3 nH @ 250 MHz |
| Q _{min} : | 22 @ 250 MHz |
| SRF: | 5800 MHz |
| R _{DC} : | 0.06 Ω |

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|--------------------|------------------|
| L: | 3.6 nH @ 250 MHz |
| Q _{min} : | 22 @ 250 MHz |
| SRF: | 5900 MHz |
| R _{DC} : | 0.06 Ω |

744 761 047 C

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|--------------------|------------------|
| L: | 4.7 nH @ 250 MHz |
| Q _{min} : | 20 @ 250 MHz |
| SRF: | 5800 MHz |
| R _{DC} : | 0.08 Ω |

744 761 056 C

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|--------------------|------------------|
| L: | 5.6 nH @ 250 MHz |
| Q _{min} : | 16 @ 250 MHz |
| SRF: | 5500 MHz |
| R _{DC} : | 0.19 Ω |

744 761 068 A

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|--------------------|------------------|
| L: | 6.8 nH @ 250 MHz |
| Q _{min} : | 30 @ 250 MHz |
| SRF: | 5800 MHz |
| R _{DC} : | 0.11 Ω |

744 761 075 C

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|--------------------|------------------|
| L: | 7.5 nH @ 250 MHz |
| Q _{min} : | 28 @ 250 MHz |
| SRF: | 4600 MHz |
| R _{DC} : | 0.1 Ω |

744 761 082 C

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|--------------------|------------------|
| L: | 8.2 nH @ 250 MHz |
| Q _{min} : | 28 @ 250 MHz |
| SRF: | 4700 MHz |
| R _{DC} : | 0.1 Ω |

744 761 110 A

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|--------------------|-----------------|
| L: | 10 nH @ 250 MHz |
| Q _{min} : | 30 @ 250 MHz |
| SRF: | 4800 MHz |
| R _{DC} : | 0.13 Ω |

744 761 111 C

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|--------------------|-----------------|
| L: | 11 nH @ 250 MHz |
| Q _{min} : | 30 @ 250 MHz |
| SRF: | 4000 MHz |
| R _{DC} : | 0.1 Ω |

744 761 112 C

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|--------------------|-----------------|
| L: | 12 nH @ 250 MHz |
| Q _{min} : | 35 @ 250 MHz |
| SRF: | 4000 MHz |
| R _{DC} : | 0.1 Ω |

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|--------------------|-----------------|
| L: | 15 nH @ 250 MHz |
| Q _{min} : | 35 @ 250 MHz |
| SRF: | 4000 MHz |
| R _{DC} : | 0.17 Ω |

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|--------------------|-----------------|
| L: | 16 nH @ 250 MHz |
| Q _{min} : | 34 @ 250 MHz |
| SRF: | 3300 MHz |
| R _{DC} : | 0.17 Ω |

744 761 118 C

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|--------------------|-----------------|
| L: | 18 nH @ 250 MHz |
| Q _{min} : | 35 @ 250 MHz |
| SRF: | 3100 MHz |
| R _{DC} : | 0.12 Ω |

744 761 120 C

| | |
|--------------------|-----------------|
| L: | 20 nH @ 250 MHz |
| Q _{min} : | 35 @ 250 MHz |
| SRF: | 3100 MHz |
| R _{DC} : | 0.12 Ω |

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|--------------------|-----------------|
| L: | 22 nH @ 250 MHz |
| Q _{min} : | 38 @ 250 MHz |
| SRF: | 3000 MHz |
| R _{DC} : | 0.22 Ω |

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|--------------------|-----------------|
| L: | 27 nH @ 250 MHz |
| Q _{min} : | 40 @ 250 MHz |
| SRF: | 2800 MHz |
| R _{DC} : | 0.2 Ω |

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|--------------------|-----------------|
| L: | 30 nH @ 250 MHz |
| Q _{min} : | 40 @ 100 MHz |
| SRF: | 2500 MHz |
| R _{DC} : | 0.22 Ω |

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|--------------------|-----------------|
| L: | 33 nH @ 250 MHz |
| Q _{min} : | 36 @ 250 MHz |
| SRF: | 2300 MHz |
| R _{DC} : | 0.2 Ω |

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|--------------------|-----------------|
| L: | 39 nH @ 250 MHz |
| Q _{min} : | 36 @ 250 MHz |
| SRF: | 2200 MHz |
| R _{DC} : | 0.21 Ω |

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|--------------------|-----------------|
| L: | 47 nH @ 200 MHz |
| Q _{min} : | 35 @ 200 MHz |
| SRF: | 2000 MHz |
| R _{DC} : | 0.23 Ω |

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|--------------------|-----------------|
| L: | 51 nH @ 200 MHz |
| Q _{min} : | 32 @ 200 MHz |
| SRF: | 1950 MHz |
| R _{DC} : | 0.24 Ω |

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|--------------------|-----------------|
| L: | 56 nH @ 200 MHz |
| Q _{min} : | 32 @ 200 MHz |
| SRF: | 1900 MHz |
| R _{DC} : | 0.25 Ω |

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|--------------------|-----------------|
| L: | 68 nH @ 200 MHz |
| Q _{min} : | 40 @ 250 MHz |
| SRF: | 1700 MHz |
| R _{DC} : | 0.35 Ω |

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|--------------------|-----------------|
| L: | 72 nH @ 150 MHz |
| Q _{min} : | 35 @ 150 MHz |
| SRF: | 1700 MHz |
| R _{DC} : | 0.49 Ω |

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|--------------------|-----------------|
| L: | 82 nH @ 150 MHz |
| Q _{min} : | 30 @ 150 MHz |
| SRF: | 1700 MHz |
| R _{DC} : | 0.58 Ω |

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|--------------------|------------------|
| L: | 100 nH @ 150 MHz |
| Q _{min} : | 35 @ 150 MHz |
| SRF: | 1400 MHz |
| R _{DC} : | 0.63 Ω |

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|--------------------|------------------|
| L: | 120 nH @ 150 MHz |
| Q _{min} : | 30 @ 150 MHz |
| SRF: | 1300 MHz |
| R _{DC} : | 0.65 Ω |

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|--------------------|------------------|
| L: | 150 nH @ 100 MHz |
| Q _{min} : | 35 @ 150 MHz |
| SRF: | 1000 MHz |
| R _{DC} : | 0.85 Ω |

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|--------------------|------------------|
| L: | 180 nH @ 100 MHz |
| Q _{min} : | 25 @ 100 MHz |
| SRF: | 990 MHz |
| R _{DC} : | 1.0 Ω |

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|--------------------|------------------|
| L: | 220 nH @ 100 MHz |
| Q _{min} : | 25 @ 100 MHz |
| SRF: | 900 MHz |
| R _{DC} : | 1.8 Ω |

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|--------------------|------------------|
| L: | 270 nH @ 100 MHz |
| Q _{min} : | 30 @ 100 MHz |
| SRF: | 1000 MHz |
| R _{DC} : | 2.1 Ω |

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|--------------------|------------------|
| L: | 330 nH @ 100 MHz |
| Q _{min} : | 25 @ 100 MHz |
| SRF: | 500 MHz |
| R _{DC} : | 2.3 Ω |

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|--------------------|------------------|
| L: | 390 nH @ 100 MHz |
| Q _{min} : | 20 @ 100 MHz |
| SRF: | 900 MHz |
| R _{DC} : | 2.2 Ω |

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