WÜRTH ELEKTRONIK

DESIGN KIT
WE-KI 0603 SMD Wire Wound Ceramic Inductor

SIZE:
0603

TECHNICAL DATA:

L:	1.6 ~ 390 nH
L Tol.:	5 %
Q_{min}:	16 ~ 40
SRF:	350 ~ 12500 MHz

Order Code 744 761
Version 2.0

WE-KI 0603
SMD Wire Wound Ceramic Inductor

744 761 016 A	744 761 018 A	744 761 020 A	744 761 033 A	744 761 036 A	744 761 047 A
L: 1.6 nH @ 250 MHz	L: 1.8 nH @ 250 MHz	L: 2 nH @ 250 MHz	L: 3.3 nH @ 250 MHz	L: 3.6 nH @ 250 MHz	L: 4.7 nH @ 250 MHz
L Tol.: ±0.2 nH	L Tol.: ±0.2 nH	L Tol.: ±0.2 nH	L Tol.: ±0.2 nH	L Tol.: ±0.2 nH	L Tol.: ±0.2 nH
Q_{min}: 18 @ 250 MHz	Q_{min}: 16 @ 250 MHz	Q_{min}: 16 @ 250 MHz	Q_{min}: 22 @ 250 MHz	Q_{min}: 22 @ 250 MHz	Q_{min}: 20 @ 250 MHz
SRF: 12500 MHz	SRF: 12500 MHz	SRF: 6900 MHz	SRF: 5800 MHz	SRF: 5900 MHz	SRF: 5800 MHz

744 761 056 A	744 761 068 A	744 761 075 A	744 761 082 A	744 761 110 A	744 761 111 A
L: 5.6 nH @ 250 MHz	L: 6.8 nH @ 250 MHz	L: 7.5 nH @ 250 MHz	L: 8.2 nH @ 250 MHz	L: 10 nH @ 250 MHz	L: 11 nH @ 250 MHz
L Tol.: ±5 %	L Tol.: ±5 %	L Tol.: ±5 %	L Tol.: ±5 %	L Tol.: ±5 %	L Tol.: ±5 %
Q_{min}: 16 @ 250 MHz	Q_{min}: 30 @ 250 MHz	Q_{min}: 28 @ 250 MHz	Q_{min}: 28 @ 250 MHz	Q_{min}: 30 @ 250 MHz	Q_{min}: 30 @ 250 MHz
SRF: 5500 MHz	SRF: 5800 MHz	SRF: 4600 MHz	SRF: 4700 MHz	SRF: 4800 MHz	SRF: 4000 MHz

744 761 112 A	744 761 115 A	744 761 116 A	744 761 118 A	744 761 120 A	744 761 122 A
L: 12 nH @ 250 MHz	L: 15 nH @ 250 MHz	L: 16 nH @ 250 MHz	L: 18 nH @ 250 MHz	L: 20 nH @ 250 MHz	L: 22 nH @ 250 MHz
L Tol.: ±5 %	L Tol.: ±5 %	L Tol.: ±5 %	L Tol.: ±5 %	L Tol.: ±5 %	L Tol.: ±5 %
Q_{min}: 35 @ 250 MHz	Q_{min}: 35 @ 250 MHz	Q_{min}: 34 @ 250 MHz	Q_{min}: 35 @ 250 MHz	Q_{min}: 35 @ 250 MHz	Q_{min}: 38 @ 250 MHz
SRF: 4000 MHz	SRF: 4000 MHz	SRF: 3300 MHz	SRF: 3100 MHz	SRF: 3100 MHz	SRF: 3000 MHz

744 761 127 A	744 761 130 A	744 761 133 A	744 761 139 A	744 761 147 A	744 761 151 A
L: 27 nH @ 250 MHz	L: 30 nH @ 250 MHz	L: 33 nH @ 250 MHz	L: 39 nH @ 250 MHz	L: 47 nH @ 200 MHz	L: 51 nH @ 200 MHz
L Tol.: ±5 %	L Tol.: ±5 %	L Tol.: ±5 %	L Tol.: ±5 %	L Tol.: ±5 %	L Tol.: ±5 %
Q_{min}: 40 @ 250 MHz	Q_{min}: 40 @ 100 MHz	Q_{min}: 36 @ 250 MHz	Q_{min}: 36 @ 250 MHz	Q_{min}: 35 @ 200 MHz	Q_{min}: 32 @ 200 MHz
SRF: 2800 MHz	SRF: 2500 MHz	SRF: 2300 MHz	SRF: 2200 MHz	SRF: 2000 MHz	SRF: 1950 MHz

744 761 156 A	744 761 168 A	744 761 172 A	744 761 182 A	744 761 210 A	744 761 212 A
L: 56 nH @ 200 MHz	L: 68 nH @ 200 MHz	L: 72 nH @ 150 MHz	L: 82 nH @ 150 MHz	L: 100 nH @ 150 MHz	L: 120 nH @ 150 MHz
L Tol.: ±5 %	L Tol.: ±5 %	L Tol.: ±5 %	L Tol.: ±5 %	L Tol.: ±5 %	L Tol.: ±5 %
Q_{min}: 32 @ 200 MHz	Q_{min}: 40 @ 250 MHz	Q_{min}: 35 @ 150 MHz	Q_{min}: 30 @ 150 MHz	Q_{min}: 35 @ 150 MHz	Q_{min}: 30 @ 150 MHz
SRF: 1900 MHz	SRF: 1700 MHz	SRF: 1700 MHz	SRF: 1700 MHz	SRF: 1400 MHz	SRF: 1300 MHz

744 761 215 A	744 761 218 A	744 761 222 A	744 761 227 A	744 761 233 A	744 761 239 A
L: 150 nH @ 100 MHz	L: 180 nH @ 100 MHz	L: 220 nH @ 100 MHz	L: 270 nH @ 100 MHz	L: 330 nH @ 100 MHz	L: 390 nH @ 100 MHz
L Tol.: ±5 %	L Tol.: ±5 %	L Tol.: ±5 %	L Tol.: ±5 %	L Tol.: ±5 %	L Tol.: ±5 %
Q_{min}: 35 @ 150 MHz	Q_{min}: 25 @ 100 MHz	Q_{min}: 25 @ 100 MHz	Q_{min}: 25 @ 100 MHz	Q_{min}: 25 @ 100 MHz	Q_{min}: 20 @ 100 MHz
SRF: 1000 MHz	SRF: 990 MHz	SRF: 900 MHz	SRF: 822 MHz	SRF: 500 MHz	SRF: 350 MHz

Important information: Wurth Elektronik's design kits contain reference components. These components correspond with the current product development status on the day of supply. Exchange of the reference components to components with up-to-date product development status is not carried out automatically. No liability is taken for the use of these reference components. Therefore, please request new samples prior to releases for series production and product release.

All products ex stock!

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