



DESIGN KIT

WE-KI 0402 SMD Wire Wound Ceramic Inductor



SIZE:

0402

TECHNICAL DATA:

L: 1 ~ 56 nH
Q_{min}: 13 ~ 26
SRF: 1750 ~ > 6000 MHz
R_{DC}: 0.045 ~ 0.970 Ω

Order Code 744 765 A
Version 1.1

WE-KI 0402

SMD Wire Wound Ceramic Inductor



744 765 010 A	744 765 019 A	744 765 020 A	744 765 022 A	744 765 024 A	744 765 027 A
L: 1 nH @ 250 MHz	L: 1.9 nH @ 250 MHz	L: 2 nH @ 250 MHz	L: 2.2 nH @ 250 MHz	L: 2.4 nH @ 250 MHz	L: 2.7 nH @ 250 MHz
Q_{min} : 13 @ 250 MHz	Q_{min} : 16 @ 250 MHz	Q_{min} : 16 @ 250 MHz	Q_{min} : 18 @ 250 MHz	Q_{min} : 16 @ 250 MHz	Q_{min} : 16 @ 250 MHz
SRF: > 6000 MHz	SRF: > 6000 MHz	SRF: > 6000 MHz	SRF: > 6000 MHz	SRF: > 6000 MHz	SRF: > 6000 MHz
R_{DC} : 0.045 Ω	R_{DC} : 0.070 Ω	R_{DC} : 0.070 Ω	R_{DC} : 0.070 Ω	R_{DC} : 0.068 Ω	R_{DC} : 0.120 Ω

744 765 033 A	744 765 036 A	744 765 039 A	744 765 047 A	744 765 051 A	744 765 056 A
L: 3.3 nH @ 250 MHz	L: 3.6 nH @ 250 MHz	L: 3.9 nH @ 250 MHz	L: 4.7 nH @ 250 MHz	L: 5.1 nH @ 250 MHz	L: 5.6 nH @ 250 MHz
Q_{min} : 20 @ 250 MHz	Q_{min} : 20 @ 250 MHz	Q_{min} : 20 @ 250 MHz	Q_{min} : 15 @ 250 MHz	Q_{min} : 23 @ 250 MHz	Q_{min} : 23 @ 250 MHz
SRF: > 6000 MHz	SRF: > 6000 MHz	SRF: 5800 MHz	SRF: 4775 MHz	SRF: 5800 MHz	SRF: 5800 MHz
R_{DC} : 0.066 Ω	R_{DC} : 0.066 Ω	R_{DC} : 0.066 Ω	R_{DC} : 0.130 Ω	R_{DC} : 0.083 Ω	R_{DC} : 0.083 Ω

744 765 062 A	744 765 068 A	744 765 075 A	744 765 082 A	744 765 087 A	744 765 090 A
L: 6.2 nH @ 250 MHz	L: 6.8 nH @ 250 MHz	L: 7.5 nH @ 250 MHz	L: 8.2 nH @ 250 MHz	L: 8.7 nH @ 250 MHz	L: 9 nH @ 250 MHz
Q_{min} : 23 @ 250 MHz	Q_{min} : 20 @ 250 MHz	Q_{min} : 25 @ 250 MHz	Q_{min} : 25 @ 250 MHz	Q_{min} : 18 @ 250 MHz	Q_{min} : 25 @ 250 MHz
SRF: 5800 MHz	SRF: 4800 MHz	SRF: 5800 MHz	SRF: 4400 MHz	SRF: 4100 MHz	SRF: 4160 MHz
R_{DC} : 0.083 Ω	R_{DC} : 0.083 Ω	R_{DC} : 0.104 Ω	R_{DC} : 0.104 Ω	R_{DC} : 0.200 Ω	R_{DC} : 0.104 Ω

744 765 095 A	744 765 110 A	744 765 111 A	744 765 112 A	744 765 115 A	744 765 116 A
L: 9.5 nH @ 250 MHz	L: 10 nH @ 250 MHz	L: 11 nH @ 250 MHz	L: 12 nH @ 250 MHz	L: 15 nH @ 250 MHz	L: 16 nH @ 250 MHz
Q_{min} : 18 @ 250 MHz	Q_{min} : 23 @ 250 MHz	Q_{min} : 26 @ 250 MHz	Q_{min} : 26 @ 250 MHz	Q_{min} : 26 @ 250 MHz	Q_{min} : 24 @ 250 MHz
SRF: 4000 MHz	SRF: 3900 MHz	SRF: 3680 MHz	SRF: 3600 MHz	SRF: 3280 MHz	SRF: 3100 MHz
R_{DC} : 0.200 Ω	R_{DC} : 0.195 Ω	R_{DC} : 0.120 Ω	R_{DC} : 0.120 Ω	R_{DC} : 0.172 Ω	R_{DC} : 0.220 Ω

744 765 118 A	744 765 120 A	744 765 122 A	744 765 124 A	744 765 127 A	744 765 133 A
L: 18 nH @ 250 MHz	L: 20 nH @ 250 MHz	L: 22 nH @ 250 MHz	L: 24 nH @ 250 MHz	L: 27 nH @ 250 MHz	L: 33 nH @ 250 MHz
Q_{min} : 25 @ 250 MHz	Q_{min} : 25 @ 250 MHz	Q_{min} : 25 @ 250 MHz	Q_{min} : 25 @ 250 MHz	Q_{min} : 26 @ 250 MHz	Q_{min} : 24 @ 250 MHz
SRF: 3100 MHz	SRF: 3000 MHz	SRF: 2800 MHz	SRF: 2700 MHz	SRF: 2480 MHz	SRF: 2350 MHz
R_{DC} : 0.230 Ω	R_{DC} : 0.250 Ω	R_{DC} : 0.300 Ω	R_{DC} : 0.300 Ω	R_{DC} : 0.298 Ω	R_{DC} : 0.350 Ω

744 765 136 A	744 765 139 A	744 765 143 A	744 765 147 A	744 765 151 A	744 765 156 A
L: 36 nH @ 250 MHz	L: 39 nH @ 250 MHz	L: 43 nH @ 250 MHz	L: 47 nH @ 200 MHz	L: 51 nH @ 200 MHz	L: 56 nH @ 200 MHz
Q_{min} : 26 @ 250 MHz	Q_{min} : 25 @ 250 MHz	Q_{min} : 25 @ 250 MHz	Q_{min} : 26 @ 200 MHz	Q_{min} : 25 @ 200 MHz	Q_{min} : 22 @ 200 MHz
SRF: 2320 MHz	SRF: 2100 MHz	SRF: 2030 MHz	SRF: 2100 MHz	SRF: 1750 MHz	SRF: 1760 MHz
R_{DC} : 0.403 Ω	R_{DC} : 0.550 Ω	R_{DC} : 0.810 Ω	R_{DC} : 0.830 Ω	R_{DC} : 0.820 Ω	R_{DC} : 0.970 Ω

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