WÜRTH ELEKTRONIK

DESIGN KIT
WE-MK 0603 (A-Type) Multilayer Ceramic SMD Inductor

SIZE:

0603 (A-Type)

TECHNICAL DATA:

L:	1 ~ 470 nH
Q_{min}:	8 ~ 12
SRF:	250 ~ 10000 MHz
R_{DC}:	0.05 ~ 3.6 Ω

Order Code 744 786 A
Version 1.0

WE-MK 0603 (A-Type)
Multilayer Ceramic SMD Inductor

744 786 010 A	
L:	1 nH @ 100 MHz
Q_{min}:	8 @ 100 MHz
SRF:	10000 MHz
R_{DC}:	0.05 Ω

744 786 012 A	
L:	1.2 nH @ 100 MHz
Q_{min}:	8 @ 100 MHz
SRF:	10000 MHz
R_{DC}:	0.05 Ω

744 786 015 A	
L:	1.5 nH @ 100 MHz
Q_{min}:	8 @ 100 MHz
SRF:	6000 MHz
R_{DC}:	0.10 Ω

744 786 018 A	
L:	1.8 nH @ 100 MHz
Q_{min}:	8 @ 100 MHz
SRF:	6000 MHz
R_{DC}:	0.10 Ω

744 786 022 A	
L:	2.2 nH @ 100 MHz
Q_{min}:	8 @ 100 MHz
SRF:	6000 MHz
R_{DC}:	0.10 Ω

744 786 027 A	
L:	2.7 nH @ 100 MHz
Q_{min}:	10 @ 100 MHz
SRF:	6000 MHz
R_{DC}:	0.12 Ω

744 786 033 A	
L:	3.3 nH @ 100 MHz
Q_{min}:	10 @ 100 MHz
SRF:	6000 MHz
R_{DC}:	0.15 Ω

744 786 039 A	
L:	3.9 nH @ 100 MHz
Q_{min}:	10 @ 100 MHz
SRF:	6000 MHz
R_{DC}:	0.16 Ω

744 786 047 A	
L:	4.7 nH @ 100 MHz
Q_{min}:	10 @ 100 MHz
SRF:	6000 MHz
R_{DC}:	0.20 Ω

744 786 056 A	
L:	5.6 nH @ 100 MHz
Q_{min}:	10 @ 100 MHz
SRF:	5000 MHz
R_{DC}:	0.25 Ω

744 786 068 A	
L:	6.8 nH @ 100 MHz
Q_{min}:	10 @ 100 MHz
SRF:	5000 MHz
R_{DC}:	0.30 Ω

744 786 082 A	
L:	8.2 nH @ 100 MHz
Q_{min}:	10 @ 100 MHz
SRF:	4500 MHz
R_{DC}:	0.35 Ω

744 786 110 A	
L:	10 nH @ 100 MHz
Q_{min}:	12 @ 100 MHz
SRF:	3500 MHz
R_{DC}:	0.40 Ω

744 786 112 A	
L:	12 nH @ 100 MHz
Q_{min}:	12 @ 100 MHz
SRF:	3000 MHz
R_{DC}:	0.45 Ω

744 786 115 A	
L:	15 nH @ 100 MHz
Q_{min}:	12 @ 100 MHz
SRF:	2300 MHz
R_{DC}:	0.50 Ω

744 786 118 A	
L:	18 nH @ 100 MHz
Q_{min}:	12 @ 100 MHz
SRF:	2200 MHz
R_{DC}:	0.55 Ω

744 786 122 A	
L:	22 nH @ 100 MHz
Q_{min}:	12 @ 100 MHz
SRF:	2000 MHz
R_{DC}:	0.60 Ω

744 786 127 A	
L:	27 nH @ 100 MHz
Q_{min}:	12 @ 100 MHz
SRF:	1700 MHz
R_{DC}:	0.65 Ω

744 786 133 A	
L:	33 nH @ 100 MHz
Q_{min}:	12 @ 100 MHz
SRF:	1500 MHz
R_{DC}:	0.70 Ω

744 786 139 A	
L:	39 nH @ 100 MHz
Q_{min}:	12 @ 100 MHz
SRF:	1400 MHz
R_{DC}:	0.70 Ω

744 786 147 A	
L:	47 nH @ 100 MHz
Q_{min}:	12 @ 100 MHz
SRF:	1200 MHz
R_{DC}:	0.70 Ω

744 786 156 A	
L:	56 nH @ 100 MHz
Q_{min}:	12 @ 100 MHz
SRF:	1100 MHz
R_{DC}:	0.75 Ω

744 786 168 A	
L:	68 nH @ 100 MHz
Q_{min}:	12 @ 100 MHz
SRF:	900 MHz
R_{DC}:	0.85 Ω

744 786 182 A	
L:	82 nH @ 100 MHz
Q_{min}:	8 @ 100 MHz
SRF:	800 MHz
R_{DC}:	1.00 Ω

744 786 210 A	
L:	100 nH @ 100 MHz
Q_{min}:	8 @ 100 MHz
SRF:	700 MHz
R_{DC}:	1.20 Ω

744 786 212 A	
L:	120 nH @ 50 MHz
Q_{min}:	8 @ 50 MHz
SRF:	600 MHz
R_{DC}:	1.40 Ω

744 786 215 A	
L:	150 nH @ 50 MHz
Q_{min}:	8 @ 50 MHz
SRF:	500 MHz
R_{DC}:	1.60 Ω

744 786 218 A	
L:	180 nH @ 50 MHz
Q_{min}:	8 @ 50 MHz
SRF:	400 MHz
R_{DC}:	1.90 Ω

744 786 222 A	
L:	220 nH @ 50 MHz
Q_{min}:	8 @ 50 MHz
SRF:	350 MHz
R_{DC}:	2.40 Ω

744 786 227 A	
L:	270 nH @ 50 MHz
Q_{min}:	8 @ 50 MHz
SRF:	350 MHz
R_{DC}:	2.60 Ω

744 786 233 A	
L:	330 nH @ 50 MHz
Q_{min}:	8 @ 50 MHz
SRF:	350 MHz
R_{DC}:	2.80 Ω

744 786 239 A	
L:	390 nH @ 50 MHz
Q_{min}:	8 @ 50 MHz
SRF:	300 MHz
R_{DC}:	3.20 Ω

744 786 243 A	
L:	430 nH @ 50 MHz
Q_{min}:	8 @ 50 MHz
SRF:	280 MHz
R_{DC}:	3.40 Ω

744 786 247 A	
L:	470 nH @ 50 MHz
Q_{min}:	8 @ 50 MHz
SRF:	250 MHz
R_{DC}:	3.60 Ω

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.