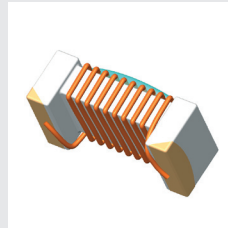
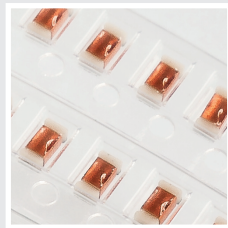
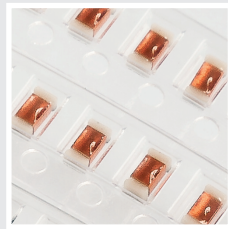
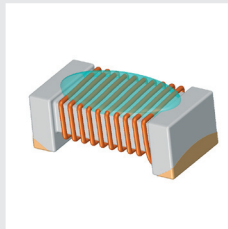


E-Serie SMT Chipinduktivitäten
E-Series SMT Chip Inductors

RoHS
compliant

Baugröße / Size 1206 (3216)
Serie / Series 5303



Technische Informationen
Baugröße 1206
E-Serie 5303

*Technical Details
Size 1206
E-Series 5303*

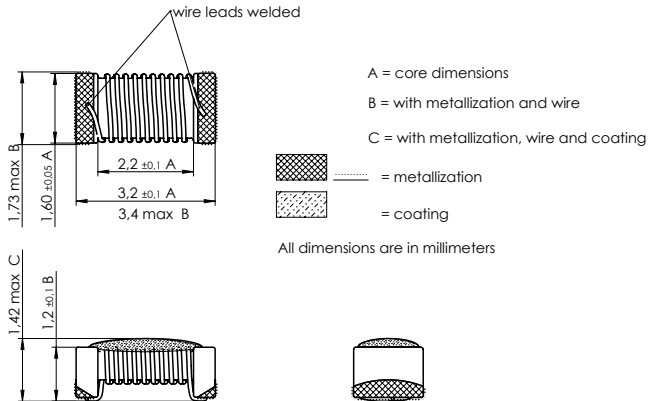
	Symbol Symbol	Kernmaterial / Core Material
		Keramik / Ceramic
Induktivität <i>Inductance</i>	L	47 ... 330 nH
Toleranz <i>Tolerance</i>	-	2/5/10/20 %
Minimale Güte <i>Minimum Q-factor</i>	$Q_{\min}$	33 ... 45
Eigenresonanzfrequenz <i>Self resonance frequency</i>	$f_{\text{res, min}}$	> 1900 ... 840 MHz
Max. Gleichstromwiderstand <i>Max. DC resistance</i>	$R_{\text{DC, max}}$	130 ... 600 mΩ
Nennstrom (bez. auf 85 °C) <i>Rated Current (ref. To 85 °C)</i>	I_N	1000 ... 590 mA
Zulässiger Betriebstemperaturbereich <i>permissible operating temperature range</i>	-	- 40 ... 85° C

Technische Informationen Baugröße 1206 E-Serie 5303

Bauteilabmessungen

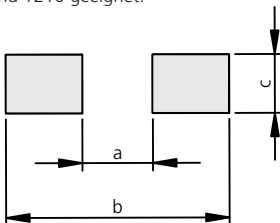
Technical Details Size 1206 E-Series 5303

Component Dimensions



Pad-Layout Empfehlung

Die Baugröße 1206 ist für die Pad Layouts 1206 und 1210 geeignet.



Pad-Layout recommendation

Size 1206 is suitable for pad layouts 1206 and 1210.

a	b	c
2,0 ... 2,2	3,8 ... 4,2	1,6 ... 2,0

Maße / Dimensions [mm]

Elektrische Eigenschaften Baugröße 1206 E-Serie 5303

Electrical Characteristics Size 1206 E-Series 5303

Artikel-Nr.	L	Q _{min}	f _{LQ}	Q _{typ} @ f	R _{DC,max}	f _{res,min}	I _{N,max}	Tol.
Order No.	[nH]	[]	[MHz]	[] @ [MHz]	[mΩ]	[MHz]	[mA]	[%]
5303 470*4 **	47	40	100	77 @ 300	130	1900	1000	2/5/10/20
5303 560*4 **	56	40	100	85 @ 300	140	1850	1000	2/5/10/20
5303 680*4 **	68	40	100	87 @ 300	170	1600	900	2/5/10/20
5303 820*4 **	82	40	100	94 @ 300	200	1500	900	2/5/10/20
5303 101*4 **	100	45	100	100 @ 300	220	1450	850	2/5/10/20
5303 121*4 **	120	45	100	94 @ 300	240	1300	800	2/5/10/20
5303 151*4 **	150	45	100	60 @ 300	270	1150	750	2/5/10/20
5303 181*4 **	180	33	50	105 @ 300	330	1100	700	2/5/10/20
5303 221*4 **	220	35	50	112 @ 300	500	1050	670	2/5/10/20
5303 271*4 **	270	33	50	70 @ 300	520	950	630	2/5/10/20
5303 331*4 **	330	33	50	57 @ 150	600	840	590	2/5/10/20

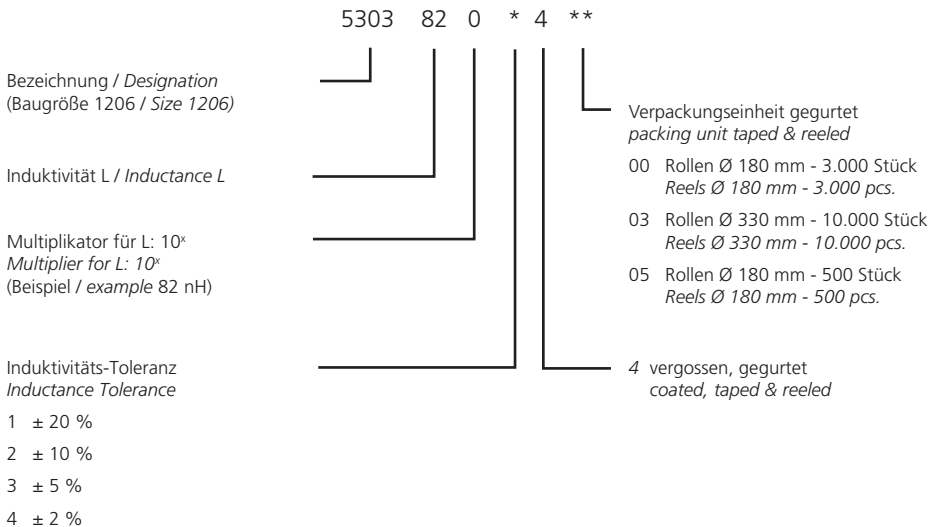
weitere Induktivitäten auf Anfrage / further inductance values on request

Bestellhinweise

Erklärung des Artikelnummern-Schlüssels

Ordering Instruction

Explanation of Part Code



Bestellbeispiel / Ordering examples:

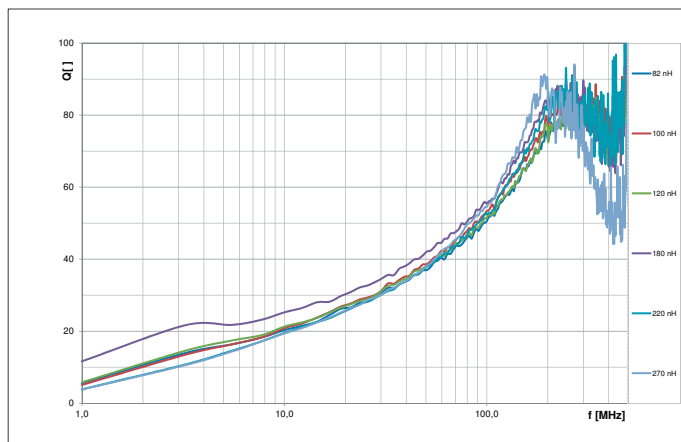
Chipspule / Chip Coil 1206, 180 nH, Tol. 5 %
vergossen, gegurtet (3.000 Stück) / coated, taped & reeled (3.000 pcs.) = **5303 181 3400**

Elektrische Eigenschaften
Baugröße 1206
E-Serie 5303

Electrical Characteristics
Size 1206
E-Series 5303

Güte Q über Frequenz f

Q-Factor vs. Frequency f



Induktivität L über Frequenz f

Inductance L vs. Frequency f

