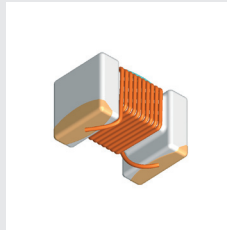
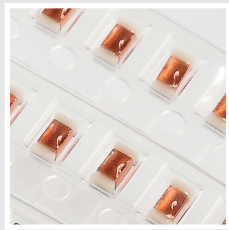
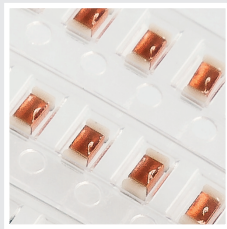
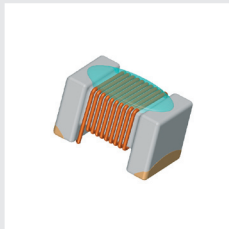


E-Serie SMT Chipinduktivitäten
E-Series SMT Chip Inductors

RoHS
compliant

Baugröße / *Size* 0805 (2012)
Serie / *Series* 5308



Technische Informationen
 Baugröße 0805
 E-Serie 5308

Technical Details
Size 0805
E-Series 5308

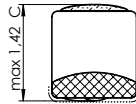
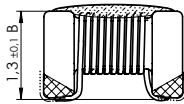
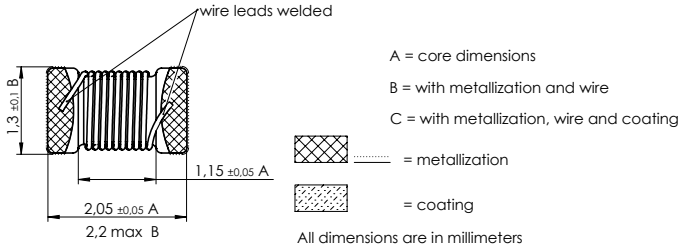
	Symbol <i>Symbol</i>	Kernmaterial / Core Material
		Keramik / Ceramic
Induktivität <i>Inductance</i>	L	18 ... 680 nH
Toleranz <i>Tolerance</i>	-	2/5/10/20 %
Minimale Güte <i>Minimum Q-factor</i>	Q_{\min}	30 ... 45
Eigenresonanzfrequenz <i>Self resonance frequency</i>	$f_{\text{res, min}}$	> 3850 ... 500 MHz
Max. Gleichstromwiderstand <i>Max. DC resistance</i>	$R_{\text{DC, max}}$	120 ... 3400 m Ω
Nennstrom (bez. auf 85 °C) <i>Rated Current (ref. To 85 °C)</i>	I_N	850 ... 170 mA
Zulässiger Betriebstemperaturbereich <i>permissible operating temperature range</i>	-	- 40 ... 85° C

Technische Informationen
 Baugröße 0805
 E-Serie 5308

Technical Details
 Size 0805
 E-Series 5308

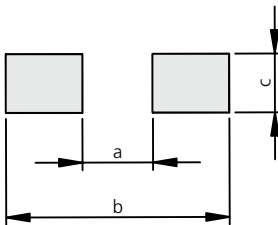
Bauteilabmessungen

Component Dimensions



Pad-Layout Empfehlung

Pad-Layout recommendation



a	b	c
1,0 ... 1,2	2,8 ... 3,2	1,2 ... 1,5

Maße / Dimensions [mm]

Elektrische Eigenschaften
Baugröße 0805
E-Serie 5308

Electrical Characteristics
Size 0805
E-Series 5308

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]	[%]
5308 180*4 **	18	45	250	55 @ 500	120	3850	850	2/5/10/20
5308 820*4 **	82	40	150	74 @ 500	240	1500	550	2/5/10/20
5308 121*4 **	120	45	150	56 @ 250	300	1250	500	2/5/10/20
5308 271*4 **	270	42	100	46 @ 100	1100	880	300	2/5/10/20
5308 391*4 **	390	42	100	46 @ 100	1600	750	230	2/5/10/20
5308 471*4 **	470	40	100	44 @ 100	2200	690	200	2/5/10/20
5308 681*4 **	680	30	50	40 @ 75	3400	500	170	2/5/10/20

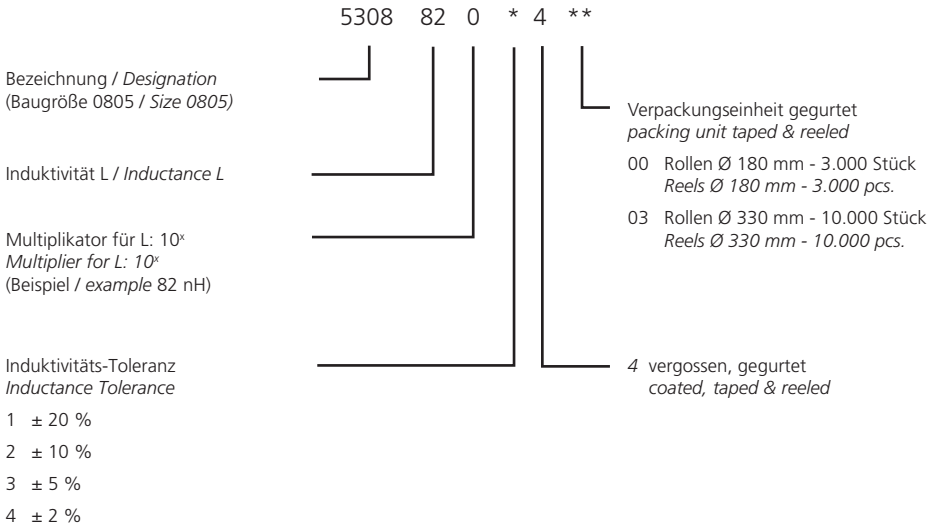
weitere Induktivitäten auf Anfrage / further inductance values on request

Bestellhinweise

Ordering Instruction

Erklärung des Artikelnummern-Schlüssels

Explanation of Part Code



Bestellbeispiel / Ordering examples:

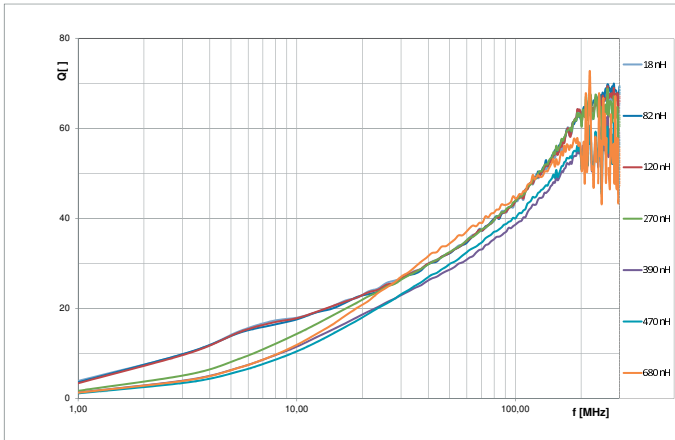
Chipspule / Chip Coil 0805, 18 nH, Tol. 5 %
 vergossen, gegurtet (3.000 Stück) / coated, taped & reeled (3.000 pcs.) = **5308 180 3400**

Elektrische Eigenschaften
 Baugröße 0805
 E-Serie 5308

Electrical Characteristics
Size 0805
E-Series 5308

Güte Q über Frequenz f

Q-Factor vs. Frequency f



Induktivität L über Frequenz f

Inductance L vs. Frequency f

