



# SURFACE-MOUNT CHIP INDUCTORS

## For Commercial Applications



### Surface-Mount Chip Inductors for Commercial Applications



#### KEY BENEFITS

- Wide range of construction technologies available
- Inductance range from 1.0 nH to 10,000  $\mu$ H
- EIA standard sizes
- Available on tape and reel packaging

#### APPLICATIONS

- Communications: cellular phones, pagers, PDAs
- Video: television tuners, radios, VCRs, game consoles

#### RESOURCES

- For technical questions contact [magnetics@vishay.com](mailto:magnetics@vishay.com)





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Inductors - Chip Inductor Technologies

Product	Inductance Range	Q Min	SRF Min	Rated Current	Construction
<a href="#">IMC-0402</a> 	1.0 nH to 100 nH	14 to 21	1,200 to 6,000 MHz	90 mA to 400 mA	Laser spiral
<a href="#">IMC-0402-01</a> 	1.0 nH to 47 nH	13 to 26	2,100 to 6,000 MHz	150 mA to 1,360 mA	Wirewound
<a href="#">ILC-0402</a> 	1.0 nH to 100 nH	8	600 to 10,000 MHz	100 mA to 300 mA	Multilayer ceramic
<a href="#">IFCB-0402</a> 	1.0 nH to 22 nH	5 to 7	2,800 to 12,000 MHz	90 mA to 700 mA	Thin Film
<a href="#">IMC-0603</a> 	1.0 nH to 150 nH	26 to 30	1,100 to 6,000 MHz	100 mA to 500 mA	Laser spiral
<a href="#">IMC-0603-01</a> 	2.0 nH to 270 nH	16 to 43	1,000 to 6,900 MHz	170 mA to 700 mA	Wirewound
<a href="#">ILC-0603</a> 	1.0 nH to 220 nH	8 to 12	400 to 10,000 MHz	300 mA	Multilayer ceramic
<a href="#">IFCB-0603</a> 	1.0 nH to 68 nH	10 to 13	1,000 to 13,000MHz	150 mA to 800 mA	Thin Film
<a href="#">IMC-0805-01</a> 	2.2 nH to 10 $\mu$ H	10 to 60	40 to 6,000 MHz	150 mA to 600 mA	Wirewound
<a href="#">IMC-1008</a> 	1.0 nH to 100 nH	20 to 60	22 to 6,000 MHz	125 mA to 600 mA	Wirewound
<a href="#">IMC-1210</a> 	1.0 nH to 100 nH	15 to 30	6.0 to 1,000 MHz	50 mA to 734 mA	Wirewound
<a href="#">ISC-1210</a> 	1.0 nH to 100 nH	30 to 50	6.0 to 1,000 MHz	80 mA to 810 mA	Wirewound shielded
<a href="#">IMC-1812</a> 	1.0 nH to 100 nH	30 to 50	2.5 to 1,000 MHz	30 mA to 450 mA	Wirewound
<a href="#">ISC-1812</a> 	1.0 nH to 100 nH	30 to 50	2.0 to 460 MHz	6.6 mA to 552 mA	Wirewound shielded
<a href="#">IMCH-1812</a> 	1.0 nH to 100 nH	10 to 20	4.0 to 200 MHz	90 mA to 1,050 mA	Wirewound
<a href="#">IMC-2220</a> 	1.0 nH to 100 nH	10 to 30	0.5 to 95 MH	25 mA to 1,800 m	Wirewound