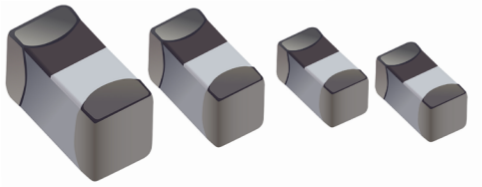
BOURNS®

NEW PRODUCT RELEASE

MAGNETICS



Bourns Releases New Multilayer Chip Inductors

CE0603G, CE0603M, CE1005Q, and CE1608Q Series

Riverside, California - February 19, 2026 – Bourns Magnetics Product Line is introducing the new CE0603G, CE0603M, CE1005Q and CE1608Q Series Multilayer Chip Inductors.

These new inductors feature a monolithic structure achieved through advanced multilayer technology, offering high reliability and low DC resistance in a compact form factor with a maximum profile of 0.8 mm.

The new chip inductors feature high SRF values of up to 20,000 MHz with inductance ranges from 0.3 to 470 nH. The inductors have a tight tolerance, with DCR ranging from 0.05 to 10 Ω, and rated current values from 100 to 1,000 mA. These series have an operating temperature range from -55 °C to +125 °C, and are well-suited for use in RF amplifiers, low-voltage power supply modules, radio transmitters, radar, wireless communication, and various mobile electronic devices.

Characteristics:

Series	Size (mm)	Inductance (nH)	SRF (MHz)	DCR (Ω)	Rated Current (mA)	Operating Temperature (°C)
CE0603G	0.6 x 0.3 x 0.3	0.3 - 39	1,500 – 18,000	0.07 – 2.4	120 – 850	-55 to +125
CE0603M	0.6 x 0.3 x 0.3	0.6 - 75	1,000 – 20,000	0.07 – 10	100 – 850	
CE1005Q	1 x 0.5 x 0.5	0.3 - 150	550 – 10,000	0.08 – 3.2	140 – 1,000	
CE1608Q	1.6 x 0.8 x 0.8	1 - 470	300 – 10,000	0.05 – 2.6	150 – 1,000	

Please visit the Bourns website at www.bourns.com for additional product details and contact Bourns Customer Service/Inside Sales if you have any questions.

Features

- Monolithic construction offering high reliability
- Magnetically shielded construction providing low radiation
- Small size & low profile
- High frequency
- RoHS compliant*

Applications

- RF & wireless communication
- Noise filters
- Low voltage power supply modules
- Radio transmitters
- RF amplifiers
- Various mobile electronic devices
- Radar

Additional Information

DATA SHEET | PRODUCT SELECTOR | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

** RoHS Directive 2015/863, Mar 31, 2015 and Annex.*

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