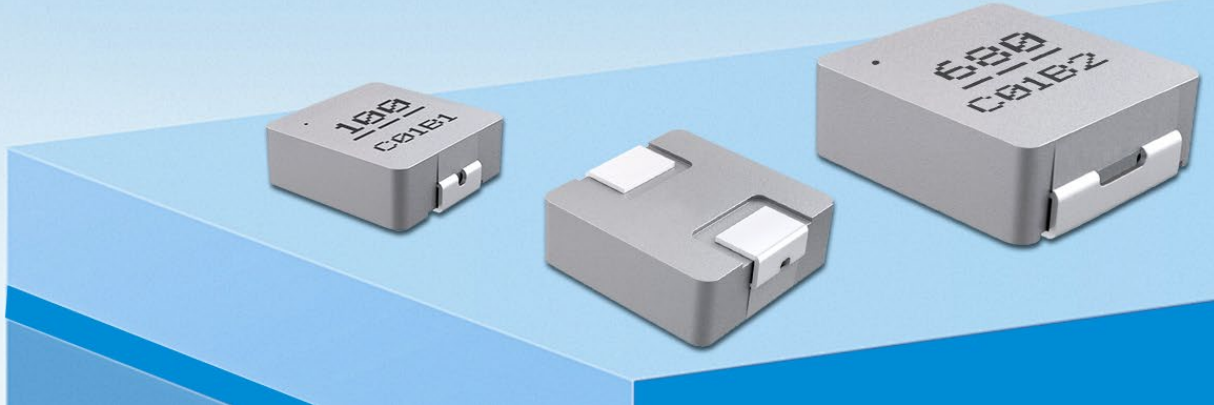




155°C High Temperature Molding Power Choke CSAG Series

- Designed for high power applications such as industrial control, renewable energy, power supply systems, etc.



■ General Description

CODACA has launched the newest high temperature resistant molding power choke CSAG series, to meet the high power solution design requirements for industrial control, server power supply, medical electronics, digital amplifier, etc. CSAG series adopts low-loss core material and a composite structure, low loss, low DC resistance, high efficiency, wide application frequency, and good current stability under high-frequency and high temperature environments.

CSAG series has 6 series and 16 specifications, 04/05/07/10/12/17. Inductance range 0.15-120 μ H, DCR as low as 0.45m Ω , saturation current up to 80A, temperature rise current up to 40A, some models passed AEC-Q200 test.

■ Features

- Magnetic shielded structure: excellent resistance to electromagnetic interference(EMI)
- A composite structure, ultra low buzz noise
- Low loss, high efficiency, wide application frequency
- Molding by low loss alloy powder: low impedance, small parasitic capacitance
- Operating temperature: -55 °C ~ +155 °C

■ Applications



Server Power Supply



Industrial Control



Medica



Digital Audio



LED Light

■ Electrical Characteristics

Part No.	Inductance (μH)	D.C.R. (mΩ)	Saturation current (A)	Temperature rise current (A)	Size LxWxH(mm)
CSAG0420	0.33~10.0	8.10~210	2.00~13.0	1.80~9.90	4.40x4.20x1.80
CSAG0518	0.56~10.0	8.00~186	2.70~12.0	1.80~10.0	5.40x5.20x1.60
CSAG0530	0.22~22.0	3.30~190	2.30~19.5	2.00~16.3	5.40x5.20x2.80
CSAG0718	0.15~6.80	4.00~86.0	3.50~29.0	2.90~15.0	7.25x6.60x1.60
CSAG0724	1.00~10.0	12.0~115	4.50~16.0	2.95~9.50	7.25x6.60x2.20
CSAG0730	0.22~33.0	2.30~210	2.50~34.0	2.20~21.5	7.25x6.60x2.80
CSAG0740	0.22~47.0	2.00~256	2.50~35.0	2.10~28.0	7.25x6.60x3.80
CSAG0750	0.22~56.0	2.00~220	2.50~40.0	2.15~30.0	7.25x6.60x4.80
CSAG1030	0.36~22.0	1.50~96.0	6.00~38.0	3.50~25.0	11.5x10.0x2.80
CSAG1040	0.15~82.0	0.45~254	3.00~80.0	2.20~40.0	11.5x10.0x3.80
CSAG1050	0.82~68.0	2.00~140	4.00~32.0	3.00~23.0	11.5x10.0x4.80
CSAG1235	0.47~4.70	1.65~17.0	16.0~47.0	9.00~30.0	13.8x12.6x3.30
CSAG1250	0.47~47.0	1.00~96.0	5.50~51.0	3.60~35.0	13.8x12.6x4.80
CSAG1260	0.68~120	1.15~180	3.20~42.0	2.90~40.0	13.8x12.6x5.80
CSAG1265	1.00~68.0	1.70~105	4.50~42.0	3.50~31.0	13.8x12.6x6.30
CSAG1770	0.68~68.0	1.10~51.0	6.50~62.0	6.20~36.0	17.8x17.0x7.00

■ Quality Management System

- IATF16949
- CNAS laboratory
- AEC-Q200
- ISO9001
- ISO14001
- ISO45001

