

CBF1608C Series

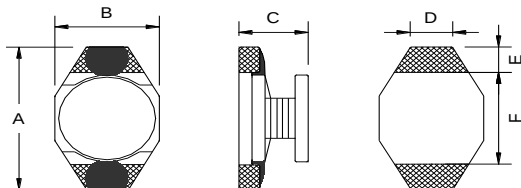
SMD Power Inductors

Product Outline

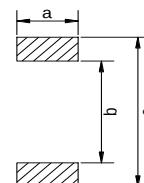
- Handles current up to 2.9A.
- Ceramic base with Au plating is used for high temperature applications.
- For DC/DC converter applications.
- Custom design is also available.



Dimensions(mm)



Recommended Patterns



Type	A	B	C	D	E	F	a	b	c	Packaging (pcs/reel)
CBF1608C	6.6±0.2	4.45±0.2	2.92 max.	1.3	1.3	4.0	3.6	4.0	6.9	2500

Dimensions without tolerance are typical

CBF1608C Electrical Characteristics

Part Number	Inductance ① (uH)	Inductance tolerance	DCR ② (mΩ) max.	Isat ③ (A) max.	Irms ③ (A) typ.	SRF Ref. (MHz)
CBF1608C-1R0MCS	1.0	±20%	50	2.9	2.9	130
CBF1608C-1R5MCS	1.5	±20%	60	2.6	2.8	115
CBF1608C-2R2MCS	2.2	±20%	70	2.3	2.4	100
CBF1608C-2R7MCS	2.7	±20%	80	2.1	2.1	75
CBF1608C-3R3MCS	3.3	±20%	80	2.0	2.0	70
CBF1608C-4R7MCS	4.7	±20%	90	1.5	1.5	50
CBF1608C-6R8MCS	6.8	±20%	130	1.2	1.4	45
CBF1608C-8R2MCS	8.2	±20%	160	1.15	1.3	40
CBF1608C-100MCS	10	±20%	160	1.10	1.2	35
CBF1608C-150MCS	15	±20%	230	0.90	1.1	30
CBF1608C-220MCS	22	±20%	370	0.70	0.8	20
CBF1608C-330MCS	33	±20%	510	0.58	0.6	15
CBF1608C-470MCS	47	±20%	640	0.50	0.5	14
CBF1608C-680MCS	68	±20%	860	0.40	0.4	11
CBF1608C-101MCS	100	±20%	1270	0.31	0.3	9
CBF1608C-151MCS	150	±20%	2000	0.27	0.25	6
CBF1608C-221MCS	220	±20%	3110	0.22	0.20	5.5
CBF1608C-331MCS	330	±20%	3800	0.18	0.16	5
CBF1608C-471MCS	470	±20%	5060	0.16	0.15	4
CBF1608C-681MCS	680	±20%	9200	0.14	0.12	3
CBF1608C-102MCS	1000	±20%	13800	0.10	0.07	2

① Inductance tested at 100kHz/ 0.1 Vrms using an Agilent/HP 4192A or equivalent.

② DCR measured on a micro-ohmmeter.

③ Rated current: The DC current at which the inductance decreases by10% of its nominal value or at which $\Delta t=40^{\circ}\text{C}$, whichever is lower($T_a=20^{\circ}\text{C}$).

All specifications are subject to change without notice.