

CB Series — Ceramic Housed - General Purpose

Features

- Fireproof power wirewound
- High thermal conductivity
- Different element (resistor) available: precision / ceramic & metal oxide
- Non-inductive styles available
- Body standoffs available, add "F" after CB
- High temperature silicone coating
- RoHS compliant / lead-free



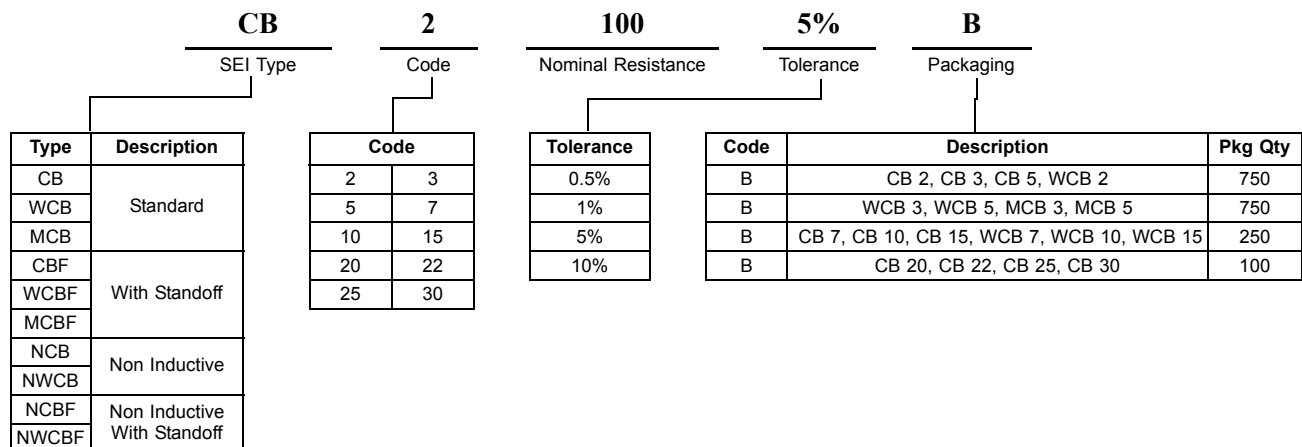
Electrical Specifications

Type / Code	Power Rating (Watts) @ 70°C	Ohmic Range and Tolerance			
		0.5%	1%	5%	10%
CB 2	2W	–	–	0.2Ω – 125Ω	0.2Ω – 125Ω
CB 3	3W	–	–	0.1Ω – 350Ω	0.1Ω – 350Ω
CB 5	5W	–	–	0.1Ω – 500Ω	0.1Ω – 500Ω
CB 7	7W	–	–	0.15Ω – 750Ω	0.15Ω – 750Ω
CB 10	10W	–	–	0.2Ω – 1K	0.2Ω – 1K
CB 15	15W	–	–	0.2Ω – 1K	0.2Ω – 1K
CB 20	20W	–	–	0.3Ω – 1.25K	0.3Ω – 1.25K
CB 22	22W	–	–	0.3Ω – 1.25K	0.3Ω – 1.25K
CB 25	25W	–	–	0.3Ω – 1.25K	0.3Ω – 1.25K
CB 30	30W	–	–	0.3Ω – 1.25K	0.3Ω – 1.25K
WCB 2	2W	1Ω – 5K	1Ω – 5K	1Ω – 5K	–
WCB 3	3W	1Ω – 10K	1Ω – 10K	1Ω – 10K	–
WCB 5	5W	1Ω – 10K	1Ω – 10K	1Ω – 10K	–
WCB 7	7W	1Ω – 15K	1Ω – 15K	1Ω – 15K	–
WCB 10	10W	1Ω – 20K	1Ω – 20K	1Ω – 20K	–
WCB 15	15W	1Ω – 20K	1Ω – 20K	1Ω – 20K	–
MCB 3	3W	–	–	100Ω – 10K	–
MCB 5	5W	–	–	100Ω – 10K	–

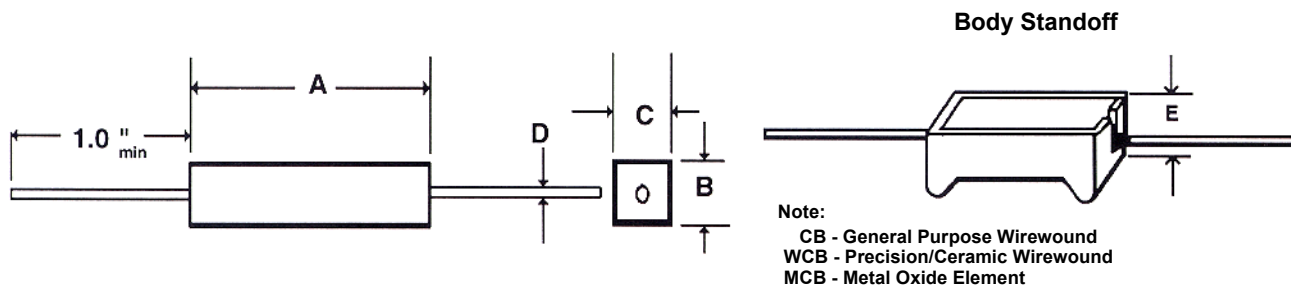
Resistance Temperature Coefficient Standard:

CB series: ±800ppm below 1W & ±300ppm for 1W and above; WCB series: ±50ppm from 1W to 10W & ±20ppm above 10W; MCB series: ±200ppm

How to Order



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Mechanical Specifications

Type / Code	A	B	C	D	E	Units
Tolerance	±0.031	±0.031	±0.031	±0.002	±0.031	inches
	±0.8	±0.8	±0.8	±0.05	±0.8	mm
CB 2	0.700 17.8	0.245 6.2	0.255 6.5	0.032 0.81	0.300 7.6	inches mm
CB 3	0.875 22.2	0.312 7.9	0.312 7.9	0.036 0.91	0.375 9.5	inches mm
CB 5	0.875 22.2	0.375 9.5	0.375 9.5	0.036 0.91	0.437 11.1	inches mm
CB 7	1.400 35.6	0.375 9.5	0.375 9.5	0.036 0.91	0.500 12.7	inches mm
CB 10	1.875 47.6	0.375 9.5	0.375 9.5	0.036 0.91	0.500 12.7	inches mm
CB 15	1.875 47.6	0.500 12.7	0.500 12.7	0.036 0.91	0.625 15.9	inches mm
CB 20	2.500 63.5	0.500 12.7	0.500 12.7	0.036 0.91	0.625 15.9	inches mm
CB 22	2.500 63.5	0.500 12.7	0.500 12.7	0.036 0.91	0.625 15.9	inches mm
CB 25	2.500 63.5	0.500 12.7	0.500 12.7	0.036 0.91	0.625 15.9	inches mm
CB 30	2.500 63.5	0.625 15.9	0.625 15.9	0.036 0.91	-	inches mm
WCB 2	0.700 17.8	0.245 6.2	0.255 6.5	0.032 0.81	0.300 7.6	inches mm
WCB 3	0.875 22.2	0.312 7.9	0.312 7.9	0.032 0.81	0.375 9.5	inches mm
WCB 5	0.875 22.2	0.375 9.5	0.375 9.5	0.032 0.81	0.437 11.1	inches mm
WCB 7	1.400 35.6	0.375 9.5	0.375 9.5	0.036 0.91	0.500 12.7	inches mm
WCB 10	1.875 47.6	0.375 9.5	0.375 9.5	0.036 0.91	0.500 12.7	inches mm
WCB 15	1.875 47.6	0.500 12.7	0.500 12.7	0.036 0.91	0.625 15.9	inches mm
MCB 3	0.875 22.2	0.312 7.9	0.312 7.9	0.032 0.81	0.375 9.5	inches mm
MCB 5	0.875 22.2	0.375 9.5	0.375 9.5	0.032 0.81	0.437 11.1	inches mm

Performance Characteristics

Test	Test Results
Moisture Resistance	±5%
Thermal Shock	±2%
Load Life @ 70°C – 1,000 hrs.	±5%
Resistance to Soldering Heat	±2%
Short Time Overload	±2%
Dielectric Withstanding Voltage	±2%
Operating Temperature Range	-55°C to +275°C