

CB Series — Ceramic Housed Wirewound with Axial Leads



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



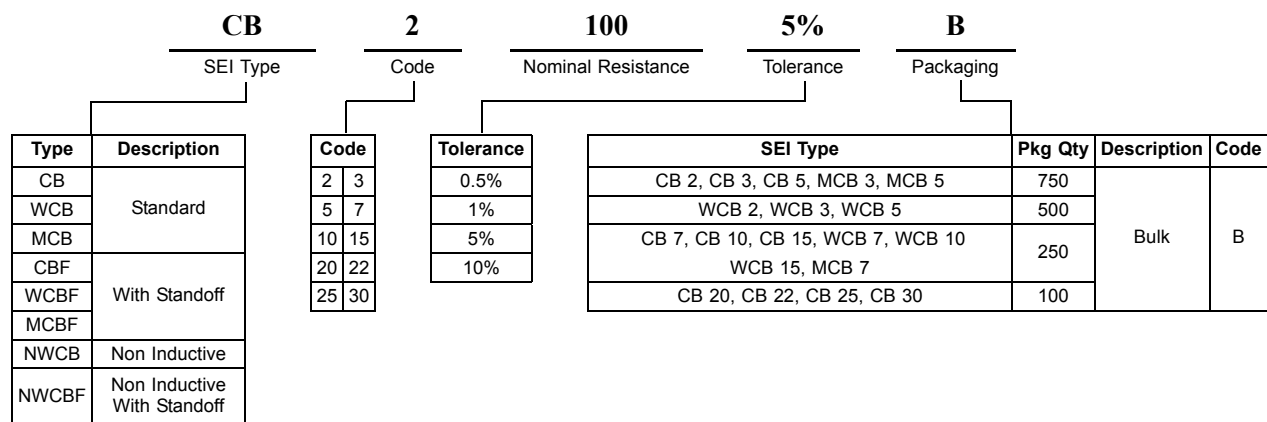
Electrical Specifications

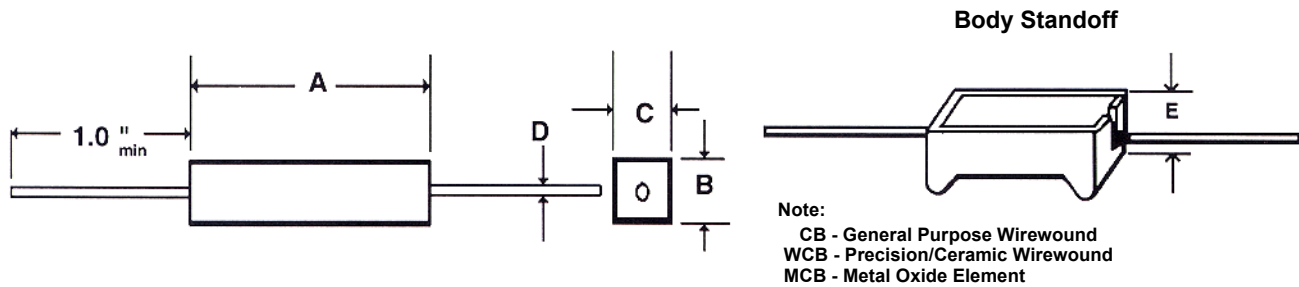
Type / Code	Power Rating (Watts) @ 70°C	Ohmic Range and Tolerance			
		0.5%	1%	5%	10%
CB 2	2W	–	–	0.10Ω – 300Ω	0.10Ω – 300Ω
CB 3	3W	–	–	0.10Ω – 680Ω	0.10Ω – 680Ω
CB 5	5W	–	–	0.10Ω – 680Ω	0.10Ω – 680Ω
CB 7	7W	–	–	0.10Ω – 1.5KΩ	0.10Ω – 1.5KΩ
CB 10	10W	–	–	0.10Ω – 2.0KΩ	0.10Ω – 2.0KΩ
CB 15	15W	–	–	0.15Ω – 2.0KΩ	0.15Ω – 2.0KΩ
CB 20	20W	–	–	0.20Ω – 2.0KΩ	0.20Ω – 2.0KΩ
CB 22	22W	–	–	1.0Ω – 250Ω	1.0Ω – 250Ω
CB 25	25W	–	–	0.20Ω – 2.0KΩ	0.20Ω – 2.0KΩ
CB 30	30W	–	–	1.0Ω – 250Ω	1.0Ω – 250Ω
WCB 2	2W	1.0Ω – 5KΩ	1.0Ω – 5KΩ	1.0Ω – 5KΩ	–
WCB 3	3W	1.0Ω – 10KΩ	1.0Ω – 10KΩ	1.0Ω – 10KΩ	–
WCB 5	5W	1.0Ω – 10KΩ	1.0Ω – 10KΩ	1.0Ω – 10KΩ	–
WCB 7	7W	1.0Ω – 15KΩ	1.0Ω – 15KΩ	1.0Ω – 15KΩ	–
WCB 10	10W	1.0Ω – 20KΩ	1.0Ω – 20KΩ	1.0Ω – 20KΩ	–
WCB 15	15W	1.0Ω – 20KΩ	1.0Ω – 20KΩ	1.0Ω – 20KΩ	–
MCB 3	3W	–	–	1.0Ω – 500KΩ	–
MCB 5	5W	–	–	1.0Ω – 500KΩ	–
MCB 7	7W	–	–	1.0Ω – 500KΩ	–

Resistance Temperature Coefficient Standard:

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

How to Order





Mechanical Specifications						
Type / Code	A	B	C	D	E	Units
Tolerance	±0.039	±0.039	±0.039	±0.002	±0.031	inches
	±1.0	±1.0	±1.0	±0.05	±0.8	mm
CB 2	0.709 18.0	0.276 7.0	0.276 7.0	0.025 0.65	0.300 7.6	inches mm
CB 3	0.866 22.0	0.312 8.0	0.312 8.0	0.032 0.80	0.375 9.5	inches mm
CB 5	0.866 22.0	0.394 10.0	0.394 10.0	0.032 0.80	0.437 11.1	inches mm
CB 7	1.378 35.0	0.394 10.0	0.394 10.0	0.032 0.80	0.500 12.7	inches mm
CB 10	1.890 48.0	0.394 10.0	0.394 10.0	0.032 0.80	0.500 12.7	inches mm
CB 15	1.890 48.0	0.492 12.5	0.492 12.5	0.032 0.80	0.625 15.9	inches mm
CB 20	2.362 60.0	0.571 14.5	0.531 13.5	0.032 0.80	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	2.362 60.0	0.571 14.5	0.531 13.5	0.032 0.80	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 / MCB 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 / MCB5	0.875 22.2	0.375 9.5	0.375 9.5	0.032 0.81	0.437 11.1	inches mm
WCB 7 / MCB 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

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 – 5xPn for 5sec	±2%
Dielectric Withstanding Voltage	±2%

Operating Temperature Range : -55°C to +275°C