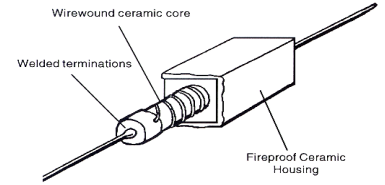


CB Series — Ceramic Housed - General Purpose

Features

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



Electrical Specifications

Type	Power Rating (Watts) @ 70°C	Ohmic Range and Tolerance			
		.5%	1%	5%	10%
CB2	2W			0.2Ω – 125Ω	0.2Ω – 125Ω
CB3	3W			0.1Ω – 350Ω	0.1Ω – 350Ω
CB5	5W			0.1Ω – 500Ω	0.1Ω – 500Ω
CB7	7W			0.15Ω – 750Ω	0.15Ω – 750Ω
CB10	10W			0.2Ω – 1K	0.2Ω – 1K
CB15	15W			0.2Ω – 1K	0.2Ω – 1K
CB20	20W			0.3Ω – 1.25K	0.3Ω – 1.25K
CB22	22W			0.3Ω – 1.25K	0.3Ω – 1.25K
CB25	25W			0.3Ω – 1.25K	0.3Ω – 1.25K
CB30	30W			0.3Ω – 1.25K	0.3Ω – 1.25K
WCB2	2W	1Ω – 5K	1Ω – 5K	1Ω – 5K	
WCB3	3W	1Ω – 10K	1Ω – 10K	1Ω – 10K	
WCB5	5W	1Ω – 10K	1Ω – 10K	1Ω – 10K	
WCB7	7W	1Ω – 15K	1Ω – 15K	1Ω – 15K	
WCB10	10W	1Ω – 20K	1Ω – 20K	1Ω – 20K	
WCB15	15W	1Ω – 20K	1Ω – 20K	1Ω – 20K	
MCB3	3W			100Ω – 100K	
MCB5	5W			100Ω – 100K	

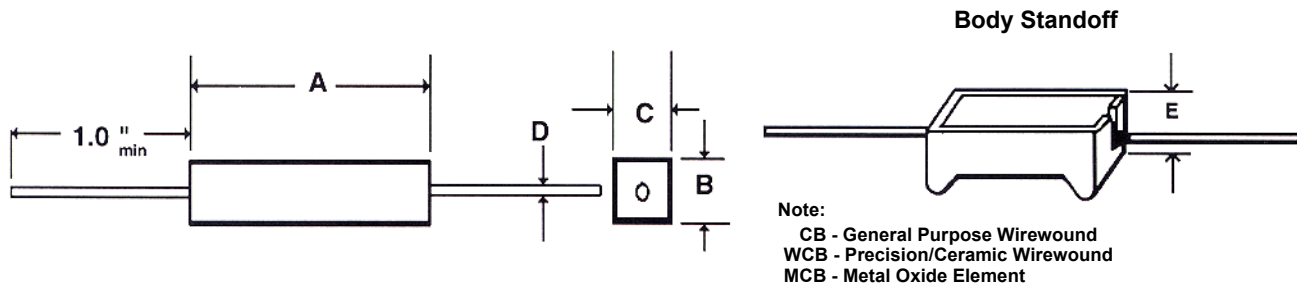
Resistance Temperature Coefficient Standard:

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

Type	Code	Tolerance	Description	Pkg Qty
CB	2 3	.5%	CB2, CB3, CB5, WCB2	750
WCB	5 7	1%	WCB3, WCB5, MCB3, MCB5	750
MCB	10 15	5%	CB7, CB10, CB15, WCB7, WCB10, WCB15	250
	20 22	10%	CB20, CB22, CB25, CB30	100
	25 30			

CB Series — Ceramic Housed - General Purpose



Mechanical Specifications						
Type	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
CB2	0.700 17.8	0.245 6.2	0.255 6.5	0.032 0.81	0.300 7.6	inches mm
CB3	0.875 22.2	0.312 7.9	0.312 7.9	0.036 0.91	0.375 9.5	inches mm
CB5	0.875 22.2	0.375 9.5	0.375 9.5	0.036 0.91	0.437 11.1	inches mm
CB7	1.400 35.6	0.375 9.5	0.375 9.5	0.036 0.91	0.500 12.7	inches mm
CB10	1.875 47.6	0.375 9.5	0.375 9.5	0.036 0.91	0.500 12.7	inches mm
CB15	1.875 47.6	0.500 12.7	0.500 12.7	0.036 0.91	0.625 15.9	inches mm
CB20	2.500 63.5	0.500 12.7	0.500 12.7	0.036 0.91	0.625 15.9	inches mm
CB22	2.500 63.5	0.500 12.7	0.500 12.7	0.036 0.91	0.625 15.9	inches mm
CB25	2.500 63.5	0.500 12.7	0.500 12.7	0.036 0.91	0.625 15.9	inches mm
CB30	2.500 63.5	0.625 15.9	0.625 15.9	0.036 0.91	n/a	inches mm
WCB2	0.700 17.8	0.245 6.2	0.255 6.5	0.032 0.81	0.300 7.6	inches mm
WCB3	0.875 22.2	0.312 7.9	0.312 7.9	0.032 0.81	0.375 9.5	inches mm
WCB5	0.875 22.2	0.375 9.5	0.375 9.5	0.032 0.81	0.437 11.1	inches mm
WCB7	1.400 35.6	0.375 9.5	0.375 9.5	0.036 0.91	0.500 12.7	inches mm
WCB10	1.875 47.6	0.375 9.5	0.375 9.5	0.036 0.91	0.500 12.7	inches mm
WCB15	1.875 47.6	0.500 12.7	0.500 12.7	0.036 0.91	0.625 15.9	inches mm
MCB3	0.875 22.2	0.312 7.9	0.312 7.9	0.032 0.81	0.375 9.5	inches mm
MCB5	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 – 1000 hrs.	± 5%
Resistance to Soldering Heat	± 2%
Short Time Overload	± 2%
Dielectric Withstanding Voltage	± 2%
Operating Temperature Range	-55°C to +275°C