

# CB Series

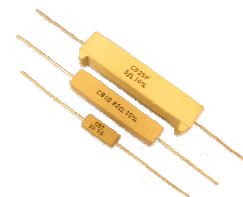
セメント同軸導線巻線抵抗器 / Ceramic Housed with Axial Leads Wirewound Resistor

Stackpole Electronics, Inc.

Resistive Product Solutions

## 特長 / Features:

- 難燃性巻線抵抗器
- 高熱伝導性
- 非誘導体品の供給可能
- ボディスタンドオフ品の供給可能 ; CB の後に F を追加
- Fireproof power wirewound
- High thermal conductivity
- Non-inductive styles available
- Body standoffs available; add "F" after CB



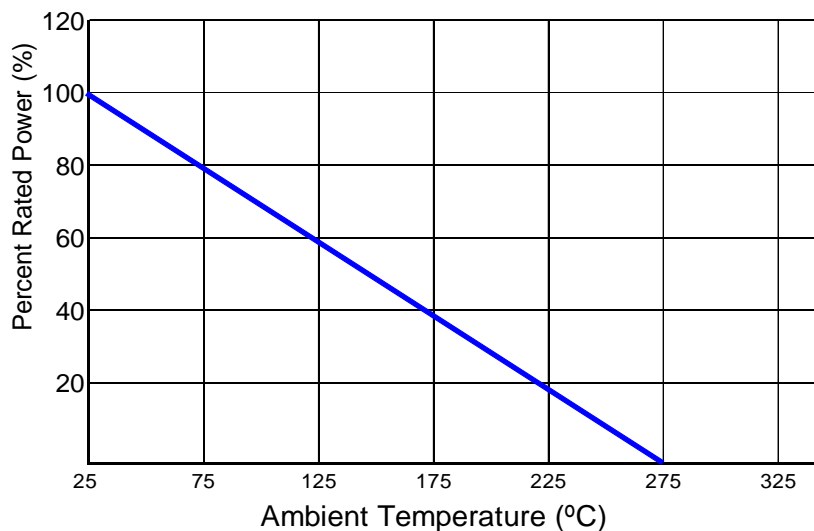
## 定格 / Electrical Specifications

形名 Type / Code	定格電力 Power Rating (Watts) @ 70°C	抵抗値範囲 (Ω) / 抵抗値許容差 Ohmic Range(Ω) and Tolerance			
		0.5%	1%	5%	10%
CB 2	2W	-	-	0.1 - 300	0.1 - 300
CB 3	3W	-	-	0.1 - 680	0.1 - 680
CB 5	5W	-	-	0.1 - 680	0.1 - 680
CB 7	7W	-	-	0.1 - 1.5k	0.1 - 1.5k
CB 10	10W	-	-	0.1 - 2k	0.1 - 2k
CB 15	15W	-	-	0.15 - 2k	0.15 - 2k
CB 20	20W	-	-	0.2 - 2k	0.2 - 2k
CB 22	22W	-	-	1 - 250	1 - 250
CB 25	25W	-	-	0.2 - 2k	0.2 - 2k
CB 30	30W	-	-	1 - 250	1 - 250
WCB 2	2W	1 - 5k	0.1 - 5k	0.1 - 5k	-
WCB 3	3W	1 - 10k	0.1 - 10k	0.1 - 10k	-
WCB 5	5W	1 - 10k	0.1 - 10k	0.1 - 10k	-
WCB 7	7W	1 - 15k	0.1 - 15k	0.1 - 15k	-
WCB 10	10W	1 - 20k	0.1 - 20k	0.1 - 20k	-
WCB 15	15W	1 - 20k	0.1 - 20k	0.1 - 20k	-
MCB 3	3W	-	-	1 - 500k	-
MCB 5	5W	-	-	1 - 500k	-
MCB 7	7W	-	-	1 - 500k	-

抵抗温度係数 : Resistance Temperature Coefficient Standard:

CB : 1 Ω 未満 ±800ppm、1 Ω 以上 ±300ppm / CB series: ±800ppm below 1 Ω & ±300ppm for 1 Ω and above  
 WCB : 0.1 Ω ~ 10 Ω ±50ppm、10 Ω 以上 ±20ppm / WCB series: ±50ppm from 0.1 Ω to 10 Ω & ±20ppm above 10 Ω  
 MCB : ±200ppm / MCB series: ±200ppm

Power Derating Curve:



性能 / Performance Characteristics	
試験項目 Test	規格値 Test Results
耐湿負荷 Moisture Resistance	± 5%
温度急変 Thermal Shock	± 2%
定格負荷 Load Life @ 70°C - 1,000 hrs.	± 5%
はんだ耐熱性 Resistance to Soldering Heat	± 2%
短時間過負荷 Short Time Overload - 5xPn for 5sec	± 2%
絶縁耐電圧 Dielectric Withstanding Voltage	± 2%

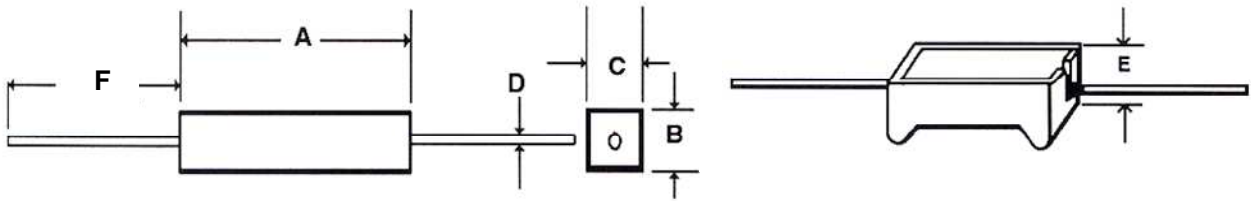
使用温度範囲 / Operating Temperature Range: -55°C to +275°C

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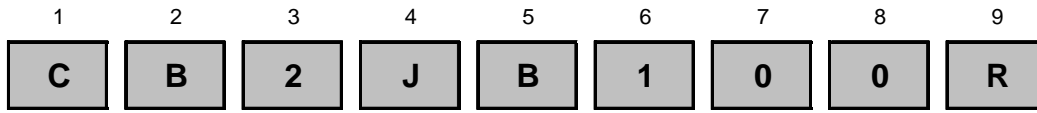
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外形寸法 / Mechanical Specifications						
形名 Type / Code	寸法 / Dimensions (mm)					
	A Body Length	B Height	C Width	D Lead Diameter	E Height with Standoff	F Lead Length
CB 2, WCB2	17.8 ± 1.0	6.2 ± 1.0	6.5 ± 1.0	0.8 ± 0.1	7.6 ± 1.0	38.1 ± 6.4
CB 3, WCB3, MCB3	22.2 ± 1.0	7.9 ± 1.0	7.9 ± 1.0	0.8 ± 0.1	9.5 ± 1.0	38.1 ± 6.4
CB 5, WCB5 MCB%	22.2 ± 1.0	9.5 ± 1.0	9.5 ± 1.0	0.8 ± 0.1	11.1 ± 1.0	38.1 ± 6.4
CB 7, WCB7 MCB'	35.6 ± 1.0	9.5 ± 1.0	9.5 ± 1.0	0.9 ± 0.1	12.7 ± 1.0	38.1 ± 6.4
CB 10, WCB10	47.6 ± 1.0	9.5 ± 1.0	9.5 ± 1.0	0.9 ± 0.1	12.7 ± 1.0	38.1 ± 6.4
CB 15, WCB15	47.6 ± 1.0	12.7 ± 1.0	12.7 ± 1.0	0.9 ± 0.1	15.9 ± 1.0	38.1 ± 6.4
CB 20	63.5 ± 1.0	12.7 ± 1.0	12.7 ± 1.0	0.9 ± 0.1	15.9 ± 1.0	38.1 ± 6.4
CB 22	63.5 ± 1.0	12.7 ± 1.0	12.7 ± 1.0	0.9 ± 0.1	15.9 ± 1.0	38.1 ± 6.4
CB 25	63.5 ± 1.0	12.7 ± 1.0	12.7 ± 1.0	0.9 ± 0.1	15.9 ± 1.0	38.1 ± 6.4
CB 30	63.5 ± 1.0	15.9 ± 1.0	15.9 ± 1.0	0.9 ± 0.1	-	38.1 ± 6.4

## 形名構成 / How to Order



品種 Product Series		部類 Series	コード Code	定格電力 Power Rating	抵抗値許容差 Tolerance		包装形状 Packaging				抵抗値 Resistance Value
CB	Standard	CB	2	2W	Code	Tol	B	bulk	Size	Quantity	10進数の4桁表示 Four characters with the multiplier used as the decimal holder.  0.1 Ω = R100 33 Ω = 33R0 3.32 kΩ = 3K32
WCB			3	3W	D	0.5%					
MCB			5	5W	F	1%			WCB 2, 3, 5	500	
CBF	With standoff		7	7W	J	5%					
WCBF			10	10W	K	10%	WCB 7, 10, 15	250			
MCBR			15	15W					MCB 7	250	
NCB	Non-inductive		20	20W			CB 20, 22, 25, 30		100		
NCBF	Non-inductive with standoff		22	22W							
			25	25W							
			30	30W							
		WCB	2	2W							
			3	3W							
			5	5W							
			7	7W							
		MCB	10	10W							
			15	15W							
			3	3W							
			5	5W							
			7	7W							