

Features:

- Fireproof construction
- Low temperature coefficient
- Low resistance value ceramic encased resistor
- All welded termination
- RoHS compliant, lead free and halogen free
- Formed leads possible on some sizes – contact factory
- See CB datasheet for performance and environmental specifications



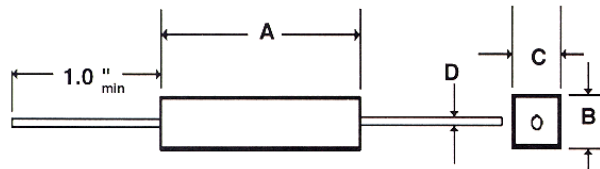
Electrical Specifications

Type / Code	Power Rating @ 70°C (Watts)	Resistance Temperature Coefficient ⁽¹⁾	Ohmic Range (Ω) and Tolerance		
			1%	5%	10%
LCBF2	2	±200 ppm/°C	-	0.05 - 0.33	-
LCB3	3	±50 to ±400 ppm/°C	0.005 - 0.1		
LCB5	5	±50 to ±400 ppm/°C	0.005 - 0.1		
LCB7	7	±50 to ±400 ppm/°C	0.01 - 0.15		
LCB10	10	±50 to ±400 ppm/°C	0.01 - 0.2		
LCB15	15	±50 to ±400 ppm/°C	0.01 - 0.2		

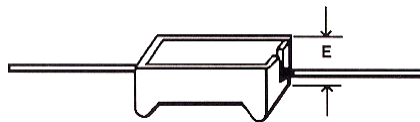
(1) TCR is value dependent. Please contact factory for specific data.

Mechanical Specifications

Resistance measured 3/8" from the body



Alternate Configuration Series LCBF:



Type / Code	A	B	C	D	E (LCBF only)	Unit
LCBF2	0.709 ± 0.039	0.157 ± 0.020	0.276 ± 0.020	0.031 ± 0.002	0.197 + 0.039 / - 0.020	inches
	18.00 ± 1.00	4.00 ± 0.50	7.00 ± 0.50	0.80 ± 0.05	5.00 + 1.00 / - 0.50	mm
LCB3	0.874 ± 0.031	0.311 ± 0.031	0.311 ± 0.031	0.032 ± 0.002	0.374 ± 0.031	inches
	22.20 ± 0.80	7.90 ± 0.80	7.90 ± 0.80	0.81 ± 0.05	9.50 ± 0.80	mm
LCB5	0.874 ± 0.031	0.374 ± 0.031	0.374 ± 0.031	0.032 ± 0.002	0.437 ± 0.031	inches
	22.20 ± 0.80	9.50 ± 0.80	9.50 ± 0.80	0.81 ± 0.05	11.10 ± 0.80	mm
LCB7	1.402 ± 0.031	0.374 ± 0.031	0.374 ± 0.031	0.036 ± 0.002	0.500 ± 0.031	inches
	35.60 ± 0.80	9.50 ± 0.80	9.50 ± 0.80	0.91 ± 0.05	12.70 ± 0.80	mm
LCB10	1.874 ± 0.031	0.374 ± 0.031	0.374 ± 0.031	0.036 ± 0.002	0.500 ± 0.031	inches
	47.60 ± 0.80	9.50 ± 0.80	9.50 ± 0.80	0.91 ± 0.05	12.70 ± 0.80	mm
LCB15	1.874 ± 0.031	0.500 ± 0.031	0.500 ± 0.031	0.036 ± 0.002	0.626 ± 0.031	inches
	47.60 ± 0.80	12.70 ± 0.80	12.70 ± 0.80	0.91 ± 0.05	15.90 ± 0.80	mm

RoHS Compliance

Stackpole Electronics has joined the worldwide effort to reduce the amount of lead in electronic components and to meet the various regulatory requirements now prevalent, such as the European Union's directive regarding "Restrictions on Hazardous Substances" (RoHS 3). As part of this ongoing program, we periodically update this document with the status regarding the availability of our compliant components. All our standard part numbers are compliant to EU Directive 2011/65/EU of the European Parliament as amended by Directive (EU) 2015/863/EU as regards the list of restricted substances.

RoHS Compliance Status						
Standard Product Series	Description	Package / Termination Type	Standard Series RoHS Compliant	Lead-Free Termination Composition	Lead-Free Mfg. Effective Date (Std Product Series)	Lead-Free Effective Date Code (YY/WW)
LCB	Ceramic Housed Current Sensing Resistor with 2 Leads	Axial	YES	100% Matte Sn	Jan-06	06/01

"Conflict Metals" Commitment

We at Stackpole Electronics, Inc. are joined with our industry in opposing the use of metals mined in the "conflict region" of the eastern Democratic Republic of the Congo (DRC) in our products. Recognizing that the supply chain for metals used in the electronics industry is very complex, we work closely with our own suppliers to verify to the extent possible that the materials and products we supply do not contain metals sourced from this conflict region. As such, we are in compliance with the requirements of Dodd-Frank Act regarding Conflict Minerals.

Compliance to "REACH"

We certify that all passive components supplied by Stackpole Electronics, Inc. are SVHC (Substances of Very High Concern) free and compliant with the requirements of EU Directive 1907/2006/EC, "The Registration, Evaluation, Authorization and Restriction of Chemicals", otherwise referred to as REACH. Contact us for complete list of REACH Substance Candidate List.

Environmental Policy

It is the policy of Stackpole Electronics, Inc. (SEI) to protect the environment in all localities in which we operate. We continually strive to improve our effect on the environment. We observe all applicable laws and regulations regarding the protection of our environment and all requests related to the environment to which we have agreed. We are committed to the prevention of all forms of pollution.

How to Order									
1	2	3	4	5	6	7	8	9	10
L	C	B	3	J	B	R	1	0	0
Product Series		Power Rating		Tolerance		Packaging		Resistance Value	
Code	Description	Code	Power	Code	Tol	Code	Description	Size	Quantity
LCB	Standard	2	2 W	F	1%	B	Bulk	LCBF2	2000
LCBF	With standoff	3	3 W	J	5%			LCB3, LCB5	750
		5	5 W	K	10%			LCB7, LCB10, LCB15	250
		7	7 W						
		10	10 W						
		15	15 W						
								Four characters with the multiplier used as the decimal holder.	
								"L" used as multiplier of 10 ⁻³ for any value under 0.1 ohm.	
								0.005 ohm = 5L00	
								0.01 ohm = 10L0	
								0.1 ohm = R100	