

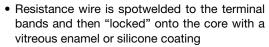
www.vishay.com

Vishay Milwaukee

Adjustable Ribwound Resistor



FEATURES





COMPLIAN

- Hardware can be supplied mounted, as loose assemblies, or as individual parts. Enclosures can also be produced.
- Available as fixed and adjustable resistors (for fixed Ribwound Resistor see www.vishay.com/doc?31807)
- Wirewound
- Material categorization: For definitions of compliance please see www.vishay.com/doc?99912

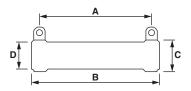
GLOBAL MODEL	HISTORICAL MODEL	POWER RATING W	RESISTANCE RANGE Ω	TOLERANCE (4) %	
RBEA0090 (1)	9-64-ΩRA	90	0.014 to 25.3	10	
RBEA0100 (1)	12-56-ΩRA	100	0.011 to 20.7	10	
RBEA0110 (1)	12-64-ΩRA	110	0.014 to 26.8	10	
RBEA0120 (1)	12-72-ΩRA	120	0.017 to 32.9	10	
RBEA0135 (1)	12-80-ΩRA	135	0.020 to 39	10	
RBEA0150 (1)	18-64-ΩRA	150	0.018 to 39	10	
RBEA0160 (1)	12-96-ΩRA	160	0.027 to 51.3	10	
RBEA0175 (1)	18-72-ΩRA	175	0.022 to 48.1	10	
RBEA0180 (1)	12-104-ΩRA	180	0.030 to 57.4	10	
RBEA0220 (1)	18-96-ΩRA	220	0.035 to 75	10	
RBEA0225 (1)	18-98-ΩRA	225	0.036 to 77.2	10	
RBEA0240 (1)	18-104-ΩRA	240	0.039 to 83.9	10	
RBEA0300 (1)(3)	18-136-ΩRA	300	0.055 to 120	10	
RBEA0375 (1)	18-168-ΩRA	375	0.072 to 156	10	
RBEA0400 (1)	26-136-ΩRA	400	0.062 to 149	10	
RBEA0420 (1)	18-188-ΩRA	420	0.082 to 178	10	
RBEA0500 (1)(3)	26-168-ΩRA	500	0.083 to 200	10	
RBEA0550 (1)	26-188-ΩRA	550	0.097 to 232	10	
RBSA0750 (2)	40-192-ΩRA	750	0.130 to 158	10	
RBSA1000 (2)(3)	40-240-ΩRA	1000	0.176 to 209	10	
RBSA1500 (2)(3)	40-320-ΩRA	1500	0.248 to 294	10	
RBSA2000 (2)	52-320-ΩRA	2000	0.300 to 380	10	

Notes

- Ratings are based on a temperature rise of 375 °C above an ambient of 40 °C.
- Operating temperature range 55 °C to 415 °C.
- (1) RBEA0090 to RBEA0550 vitreous enamel coating is standard, silicone coating is available.
- (2) RBSA0750 to RBSA2000 silicone coating is standard.
- (3) Stock wattage, see Ribwound Stock Ribs (<u>www.vishay.com/doc?31808</u>)
- (4) Closer tolerances available upon request.

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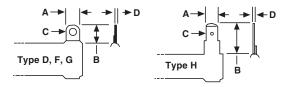
DIMENSIONS in inches (millimeters)



- For Terminal Data and Mounting Hardware, see www.vishay.com/doc?31811
- For Enclosures and Frames, see www.vishay.com/doc?31810

	C	ORE DIMENSIONS (RE	Α			
GLOBAL MODEL	B LENGTH	C OUTER DIAMETER	D INNER DIAMETER	DISTANCE BETWEEN TERMINAL (REF.)	TERMINAL STYLE	
RBEA0090	4 (101.6)	0.5625 (14.2875)	0.3125 (7.9375)	3.50 (88.9)	D	
RBEA0100	3.5 (88.9)	0.75 (19.05)	0.5 (12.7)	2.63 (66.675)	F	
RBEA0110	4 (101.6)	0.75 (19.05)	0.75 (19.05)		F	
RBEA0120	4.5 (114.3)	0.75 (19.05) 0.5 (12.7)		3.63 (92.075)	F	
RBEA0135	5 (127)	0.75 (19.05) 0.5 (12.7)		4.13 (104.775)	F	
RBEA0150	4 (101.6)	1.125 (28.575) 0.75 (19.05)		3.13 (79.375)	F	
RBEA0160	6 (152.4)	0.75 (19.05) 0.5 (12.7)		5.13 (130.175)	F	
RBEA0175	4.5 (114.3)	1.125 (28.575)	0.75 (19.05)	3.63 (92.075)	F	
RBEA0180	6.5 (165.1)	0.75 (19.05)	0.5 (12.7)	5.63 (142.875)	F	
RBEA0220	6 (152.4)	1.125 (28.575)	0.75 (19.05)	5.13 (130.175)	F	
RBEA0225	6.125 (155.575)	1.125 (28.575)	0.75 (19.05)	5.25 (133.35)	F	
RBEA0240	6.5 (165.1)	1.125 (28.575)	0.75 (19.05)	5.63 (142.875)	F	
RBEA0300	8.5 (215.9)	1.125 (28.575)	0.75 (19.05)	7.63 (193.675)	F	
RBEA0375	10.5 (266.7)	1.125 (28.575)	0.75 (19.05)	9.63 (244.475)	F	
RBEA0400	00 8.5 (215.9) 1.625		1.125 (28.575)	7.63 (193.675)	G	
RBEA0420	11.75 (298.45)	1.125 (28.575)	0.75 (19.05)	10.88 (276.225)	F	
RBEA0500	10.5 (266.7)	1.625 (41.275)	1.125 (28.575)	9.00 (228.6)	G	
RBEA0550	11.75 (298.45)	1.625 (41.275)	1.125 (28.575)	10.25 (260.35)	G	
RBSA0750	12 (304.8)	2.5 (63.5)	1.75 (44.45)	10.50 (266.7)	G	
RBSA1000	15 (381)	2.5 (63.5)	1.75 (44.45)	13.50 (342.9)	G	
RBSA1500	20 (508)	2.5 (63.5)	1.75 (44.45)	18.50 (469.9)	G	
RBSA2000	20 (508)	3.25 (82.55)	1.75 (44.45)	18.50 (469.9)	G	

TERMINAL STYLE in inches (millimeters)



DIMENSIONS	D (1/4" LUG)	F (5/16" LUG)	G (1/2" LUG)	H (1/4" SQC)
Width (A)	0.25 (6.35)	0.375 (9.525)	0.5 (12.7)	0.25 (6.35)
Height (B)	0.5 (12.7)	0.625 (15.875)	0.9375 (23.8125)	0.625 (15.875)
Dia. (C)	0.17 (4.318)	0.2 (5.08)	0.26 (6.604)	0.065 (1.651)
Thickness (D)	0.02 (0.508)	0.035 (0.889)	0.046 (1.1684)	0.032 (0.8128)



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MATERIAL SPECIFICATIONS						
Element	Copper-nickel, nickel-chrome, iron-chrome-aluminum					
Core	Cordierite, steatite					
Coating	Special high temperature silicone or vitreous enamel					
Standard terminals	Nickel-iron Nickel-iron					
Part marking	Value, date code, MRC					

GLOB	GLOBAL PART NUMBER INFORMATION										
Global Part Numbering example: RBEA030020R00JFB00 (RBEA0300 20 5 % 3/8L B)											
R	ВЕ	A	0 3	0	0	2	0 R	0	0 J	F B	0 0
MODEL (2 digits)	COATING (1 digit)	TYPE (1 digit)	SIZE (4 digits)	VAL (5 diç		TOLERANCE (1 digit)	(1	MINAL digit)	PACKAGIN (1 digit)		ECIAL digits)
RB	E = Enamel S = Silicone	A = Adjustable	0300 = 300 W 2000 = 2000 W		busand = 0.15Ω = $1.5 k\Omega$ eck eet for e value	D = ± 0.5 % F = ± 1.0 % G = ± 2.0 % H = ± 3.0 % J = ± 5.0 % K = ± 10 % M = ± 20 %	hardware L = 5/16" hardware M = 3/8" li hardware N = 1/2" li hardware P = 1/2" li hardware Q = 1/4" li hardware R = 5/16" hardware T = 3/8" li hardware U = 1/2" li hardware U = 1/2" li hardware	lug g ug ingle ingle inect ouble nect ug with stee (ES-707F) lug with stee (ES-707F) ug with stee (ES-707F) ug with stee (ES-707F) ug with bras (ES-707b) ug with stee (ES-708F) lug with stee (ES-708F) ug with stee (ES-708B)		o1 = Stand customer p NI = Non-ir CT = Cente SW = Surg LT = Low to coefficient EC = End of CP = Push (assembled VT = Vertic VS = VT win part no. sta ES = End state 1A = 1 high plated stee 1S = 1 high stainless st 1C = Live to 2A = 2 high stainless st 3A = 3 high stainless st 3A = 3 high stainless st 4A = 4 high plated stee 4B = 4 high stainless st Vote 2A, 2B, 3A, assemblies include ide only wiring by custome reference CS customization Note 3A, 3B, 4A, a limitations:	ard with part no. stamp inductive er tap e winding emperature alloy saps in clips (bulk) in customer part (bulk) in cu



Legal Disclaimer Notice

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Please note that some Vishay documentation may still make reference to RoHS Directive 2002/95/EC. We confirm that all the products identified as being compliant to Directive 2002/95/EC conform to Directive 2011/65/EU.

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- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



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