



REB Series Datasheet

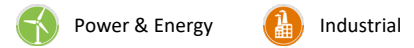
Wirewound Resistors | Aluminium Housed

ORDERING CODE - Example

New SAP Part Nr.:

REB	10B	J	C	-	AX-	10R	AA
Serie	Power rating	Tol.	Pack-Code	TCR	Forming type	R Value	Special
		F = ±1% G = ±2% J = ±5% K = ±10%	C = Bulk with ceramic core element	- Base on spec. D = ±25ppm E = ±50ppm F = ±100ppm	AX- = Axial		AA = Standard

APPLICATIONS



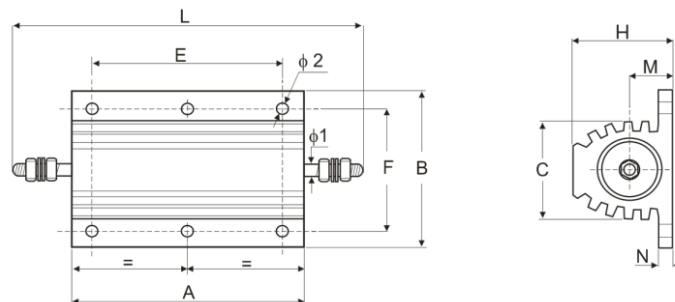
FEATURES

High insulating capacity
High power rating, with small size
RoHS and REACH Compliant

ELECTRICAL SPECIFICATIONS

Type			REB75A	REB10B	REB15B	REB20B	REB25B	REB30B	REB50B
Nominal Power Rating P ₂₅	With heatsink	[W]	75	100	150	200	250	300	500
	Without heatsink		45	50	55	50	60	75	200
Resistance Range (Other values upon request)	[Ω]	Min.	R01	R01	R01	R01	R01	R01	R01
		Max.	39K	51K	56K	62K	68K	75K	82K
E-Series (preferred)			E24 (Other upon request)						
Tolerances	±[%]		F = 1% ; G = 2% ; J = 5% ; K = 10%						
Temperature Coefficient	[ppm/°C]		D = ±25 ; E = ±50 ; F = ±100						
Working Temperature Range	[°C]		-55 ... +275						
Insulation Resistance IEC60115-1 clause 4.6	[MΩ]		> 10 ⁴						
Max. Working Voltage	[V] _{RMS}		1400	1900	2500	1900	2200	2500	2500
Dielectric Withstanding Voltage IEC115-1 clause 4.7 (1[min])	[V] _{RMS}		4500						

DIMENSIONS [mm]



Type	Resistor											Standard Heatsink		Weight [g]
	A ±2,0	B ±2,0	L ±3,0	H ±1,0	C ±1,5	E ±2,0	F ±1,5	M ±1,5	N ±0,5	φ 1 ±0,5	φ 2 ±0,5	Acreage	Thickness [mm]	
REB75A	65,5	48	93,5	26	27	47	37	11,5	3,5	M4	4,4	995	3	90
REB10B	98	48	126	26	27	70	37	11,5	3,5	M4	4,4	995		160
REB15B	130	48	158	26	27	104	37	11,5	3,5	M4	4,4	995		240
REB20B	92	73	132	45	46,5	70	58	21,0	5,0	M6	5,5	3750		420
REB25B	112	73	152	45	46,5	90	58	21,0	5,0	M6	5,5	4765		480
REB30B	130	73	170	45	46,5	102	58	21,0	5,0	M6	5,5	5780		580
REB50B	204	73	244	45	46,5	174	58	21,0	5,0	M6	5,5	8500	970	

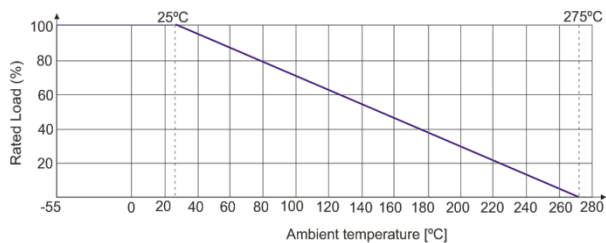
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PERFORMANCE DATA

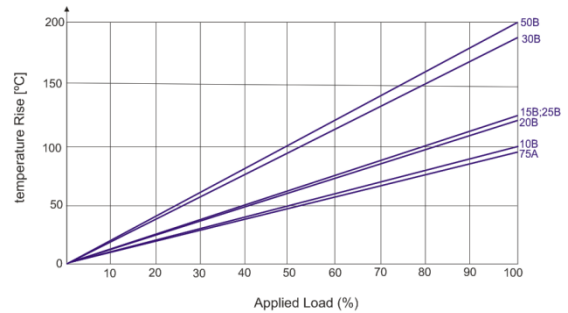
Type		REB75A	REB10B	REB15B	REB20B	REB25B	REB30B	REB50B
Short Time Overload IEC60115-1 clause 4.13 ($U=25 \cdot \sqrt{P_{25} \cdot R}$, 5[s])	±[%]				1,0			
Endurance IEC60115-1 clause 4.25 (P_{70} @ 70[°C], 1000[h])	±[%]				5,0			
Damp Heat, Steady State IEC60115-1 clause 4.24 (40[°C], 93[% r.h.], 56[d])	±[%]				5,0			
Robustness of Terminations IEC60115-1 clause 4.16 (≥4,0[Kg], 10[s])	[N]				40			
Resistance to Soldering Heat IEC60115-1 clause 4.18 (260±2[°C], 10±2[s], 2.5~3.5[mm])	±[%]				1,0			
Vibration IEC60068-2-6, IEC60115-1 clause 4.22 ([10-50][Hz], 0,75[mm], 6h)	±[%]				1,0			
Overload flame retardant AC voltage, 5,10 or 16 times P_{25} , 5[min]					No evidence of flaming arcing			
Resistance to solvents of Marking IEC60115-1 clause 4.30 (5 ^{+0,5} [min])					No deterioration of coating and marking			
Marking IEC60062					Printed in clear			

PERFORMANCE GRAPHS

POWER DERATING

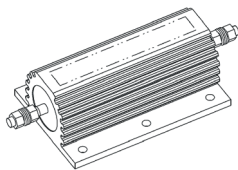


TEMPERATURE



PACKAGING

The standard packaging for REB in axial type is bulk, dimensions below.



Type	Pack Code	Pieces
REB75A	B = Bulk	12
REB10B		9
REB15B		6
REB20B		4
REB25B		2
REB30B		2
REB50B		1