RXB Flat Painted Wire-wound Resistors

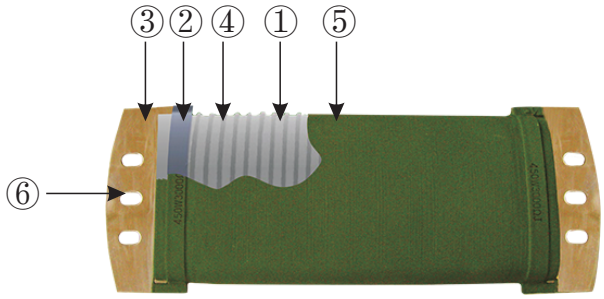
Catalogue

RXB Flat Painted Wire-wound Resistors

Feature

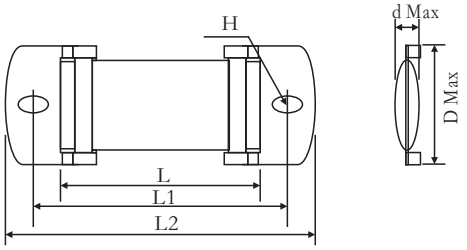
Ⅰ Surface painted,wide power range
Ⅱ Excellent high temperature load performance
Ⅲ Full-welded structure
Ⅳ High reliability
Ⅴ Imported grey and green coating , charactor marking assembly and fittings(available)
Ⅵ Resistance tolerance:±5%、 ±10%

Construction

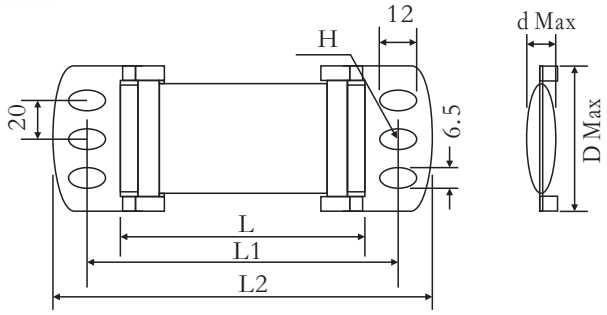


①	Ceramic base
②	Iron snap ring
③	Metal support
④	Wire wound
⑤	Insulation coating
⑥	Installing terminal

Dimensions



RXB 40W—280W



RXB 330W—1000W

Type	Power (W)	Dimensions (mm)					
		L±1.5	L1±1.5	L2±1.5	D(max)	d(max)	H(max)
RXB	40	50	67	86	37	10	5.5X10
	60	80	97	116	37	10	5.5X10
	65	90	107	126	37	10	5.5X10
	70	100	117	136	37	10	5.5X10
	90	120	137	156	37	10	5.5X10
	110	153	169	188	37	10	5.5X10
	180	150	170	190	59	12	6.5X10
	225	200	220	240	59	12	6.5X10
	280	250	270	290	59	12	6.5X10
	330	210	238	266	96	25	6.5X12
	450	290	318	346	96	25	6.5X12
	600	390	418	446	96	25	6.5X12
	800	490	518	546	96	25	6.5X12
	1000	590	618	646	96	25	6.5X12

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Reference Standards

JISC 5201-1

Ordering Information

Example:

RXB	40	J	100R0	A
(1)	(2)	(3)	(4)	(5)
Series Name	Power Rating	Resistance Tolerance	Resistance	Special code

(1)Type:RXB Series

(2)Power Rating: 40=40W、50=50W、100=100W、…、1000=1000W

(3)Tolerance: J=±5%、K=±10%

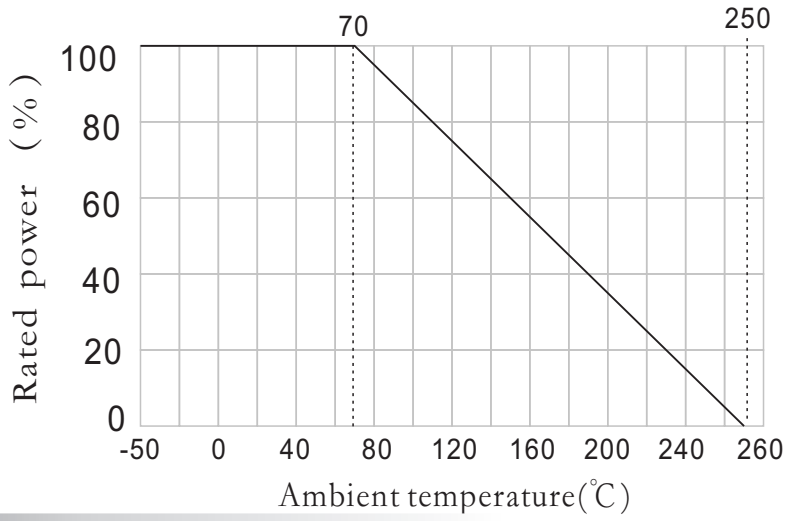
(4)Resistance Value:1R00=1Ω,100R0=100Ω,1KR0=1KΩ

(5)Special code: A1=Without brackets,A2=With brackets

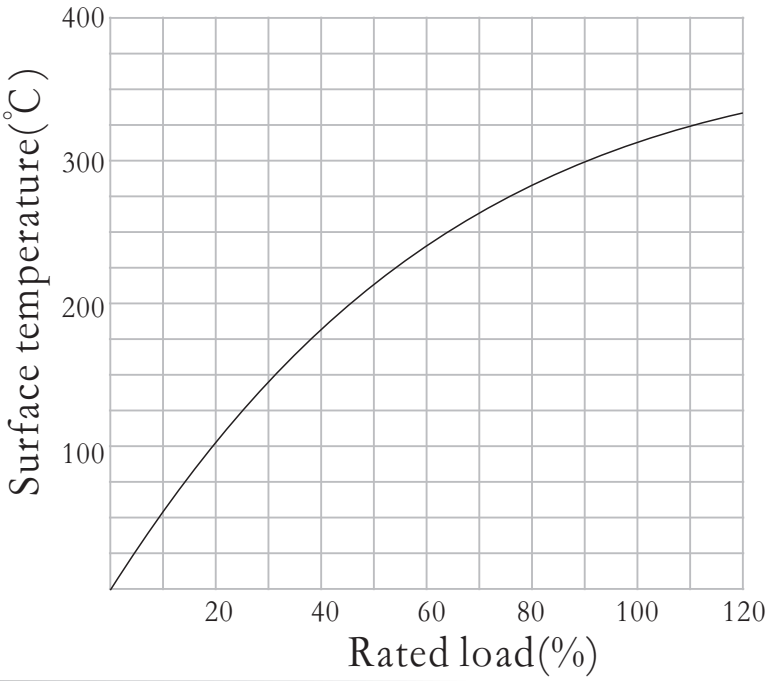
Applications And Ratings

Type	Power(W)	Resistance Range(Ω)	Tolerance	T.C.R PPM/℃
RXB	40	0.1Ω~6K8Ω	J±5% K±10%	-300PPM/℃≤TCR≤+300PPM/℃
	60	0.1Ω~15KΩ		
	65	0.1Ω~18KΩ		
	70	0.1Ω~22KΩ		
	90	0.1Ω~27KΩ		
	110	0.1Ω~33KΩ		
	180	0.1Ω~47KΩ		
	225	0.1Ω~68KΩ		
	280	0.1Ω~100KΩ		
	330	0.1Ω~7K5Ω		
	450	0.1Ω~10KΩ		
	600	0.1Ω~15KΩ		
	800	0.1 Ω~18KΩ		
	1000	0.1Ω~21KΩ		

Derating Curve



Surface Temperature Rise



Performance

Test Items	Performance	Test Methods(JIS C 5201-1)
Short-time overload	$\triangle R \leqslant \pm(2\%R0+0.05\Omega)$	$\sqrt{10PR}$,5S
Terminal tensile strength	$\triangle R \leqslant \pm(2\%R0+0.05\Omega)$	45N,30s
Vibration	$\triangle R \leqslant \pm(2\%R0+0.05\Omega)$	10Hz~55Hz~10Hz, 1.5mm, 2h
Heat resistant	$\triangle R \leqslant \pm(2\%R0+0.05\Omega)$	350±5℃,2h
Thermal shock	$\triangle R \leqslant \pm(2\%R0+0.05\Omega)$	P_R,30min/-55℃, 15min
Humiding-proof coat	$\triangle R \leqslant \pm(2\%R0+0.05\Omega)$	40℃,RH93±3%, 0.1P_R,500h
Endurance	$\triangle R \leqslant \pm(5\%R0+0.05\Omega)$	10~35℃,$\sqrt{PR}$, 500h