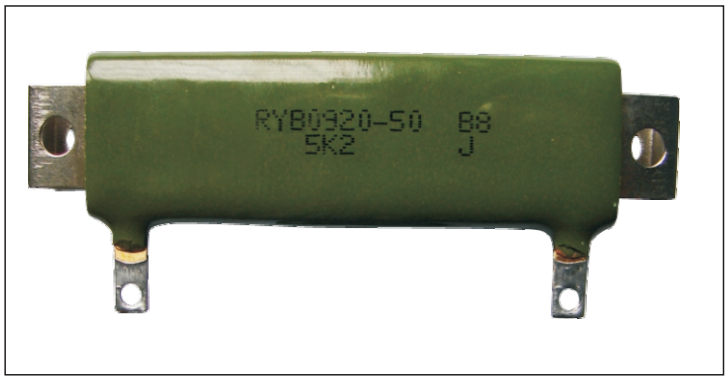
RYB Glaze High Power Wire-Wound Resistor

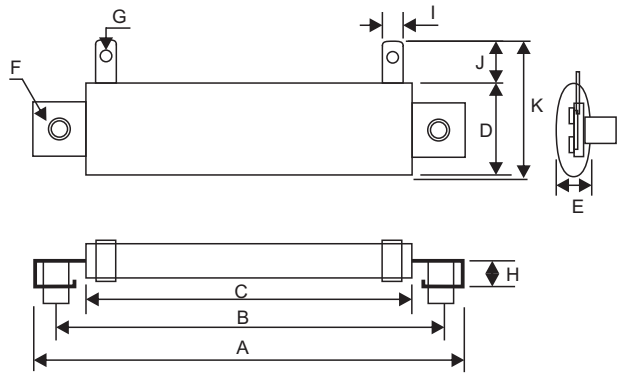


Features

Ⅰ Non Flammable

Ⅱ Heat Resistance, Easy To Mount

Dimensions



型号	功率	尺寸 (mm)										
		A	B	C	D	E	F	G	H	I	J	K
RYB-40	40W	83	70	50	28	11	5.2	4.1	13	6.5	12	42
RYB-55	55W	123	110	90	28	11	5.2	4.1	13	6.5	12	42
RYB-70	70W	153	140	120	28	11	5.2	4.1	13	6.5	12	42
RYB-95	95W	183	170	150	28	11	5.2	4.1	13	6.5	12	42
RYB-100	100W	193	180	160	28	11	5.2	4.1	13	6.5	12	42
RYB-120	120W	218	205	185	28	11	5.2	4.1	13	9.0	12	42
RYB-150	150W	218	205	185	35	11	5.2	5.2	13	9.0	13	48
RYB-200	200W	243	230	210	35	11	5.2	5.2	13	9.0	13	48
RYB-250	250W	287	274	254	35	11	5.2	5.2	13	9.0	13	48
RYB-300	300W	333	320	300	35	11	5.2	5.2	13	9.0	13	48

Applications And Ratings

Type	Power(W) at 70℃	Resistance Range(Ω)	Resistance range	Operating. temp.range	T.C.R
RYB-40	40W	1-1KΩ	±5%(J) ±10%(K)	-55℃~350℃	±250x10^{-6}/℃
RYB-55	55W	1.5-2KΩ			
RYB-70	70W	2-3KΩ			
RYB-95	95W	2.5-4KΩ			
RYB-100	100W	3-5KΩ			
RYB-120	120W	3.5-6KΩ			
RYB-150	150W	4-7KΩ			
RYB-200	200W	4.5-8KΩ			
RYB-250	250W	5-9KΩ			
RYB-300	300W	5.5-10KΩ			

Ordering Information

Example:

RYB	55	J	55R0
(1)	(2)	(3)	(4)
Series Name	Power Rating	Resistance Tolerance	Resistance

(1)Type: RYB SERIES

(2)Power Rating: 10=10W,20=20W,30=30W,40=40W,55=55W

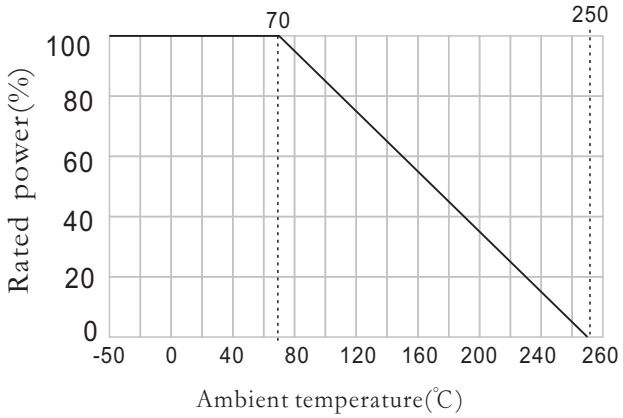
(3)Tolerance: J=±5%,K=±10%

(4)Resistance Value:55R0=55Ω,0R200=0.20Ω,10R00=10Ω,10K00=10KΩ

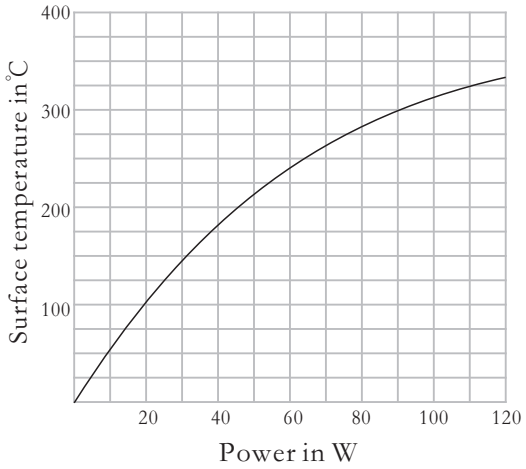
Reference Standards

JISC 5201-1

Derating Curve



Surface Temperature Rise



Performance

Test Items	Specifications	Test Methods(JIS C 5201-1)
Surface temperature rise	Surface temperature lower than 350℃	Add the Rated Voltage, 30mins later ,test the temperature of the middle part of the resistor
Withstand voltage	No obvious mechanical damage, no spark-over	Add AC 1000V for 1min
Short time overload	No mechanical damage △R≤±(2%R+0.05Ω)	10 times of the Rated Power for 5s
Vertide pressure which the body Center bears	No obvious mechanical damage	≤30W 10kg; ≥40W 20kg
Solderability	The terminal is sinked by the solder and free flowing	Temperature 270℃±10℃, immerged for 2.0mm~2.5mm, immerged time5±0.5ss
Vibration	No obvious mechanical damage	110Hz~55Hz~10Hz with 1min, vibration 1.5mm, 3 orthogonality direction each 2 hours
Durability	The marking and the surface is damaged△R≤±(5%R+0.05Ω)	Add the Rated Power to the resistor under room temperature, works for 1.5h,0.5h off test time:500h