

KYB Glaze High Power Wire-Wound Resistor

Catalogue

Feature

Dimensions

Ordering Information

Reference Standards

Applications And Ratings

Derating Curve

Performance



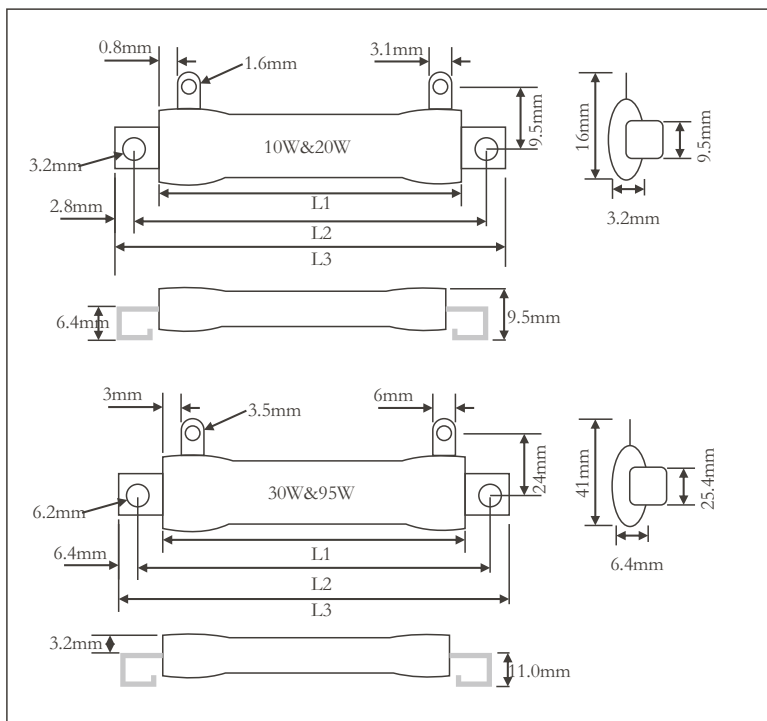
KYB Glaze High Power Wire-Wound Resistor



Feature

- I Non Flammable
- II Heat Resistance, Easy To Mount

Dimensions



Type	Power(W) at 70°C	Dimensions(mm)		
		L1 ± 1.0	L2 ± 1.0	L3 ± 1.0
KYB-10	10	19.0	25.4	31
KYB-20	20	32.0	51.0	55
KYB-30	30	51.0	59.0	64
KYB-40	40	51.0	70.0	83
KYB-55	55	90.0	108	120
KYB-70	70	120	140	154
KYB-95	95	152	171	184

Ordering Information

Example:

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

- (1) Type: KYB 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

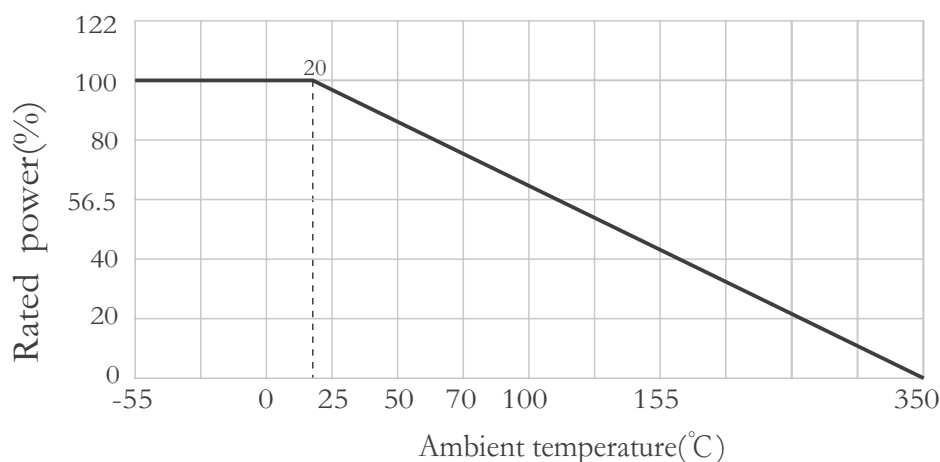
Reference Standards

JISC 5201-1

Applications And Ratings

Type	Power(W) at 70°C	Resistance Range(Ω)	Resistance range	Operating temp.range	T.C.R
KYB-10	10	R1~5K1	$\pm 5\%(J)$ $\pm 10\%(K)$	-55°C ~350°C	$\pm 250 \times 10^{-6} / ^\circ\text{C}$
KYB-20	20	R1~10K			
KYB-30	30	R1~15K			
KYB-40	40	R1~20K			
KYB-55	55	R1~24K			
KYB-70	70	R1~39K			
KYB-95	95	R1~47K			

Derating Curve



Performance

Test Items	Specifications	Test Methods(JIS C 5201-1)
Surface temperature rise	Surface temperature lower than 350°C	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 $\Delta R \leq \pm (2\%R + 0.05\Omega)$	10 times of the Rated Power for 5s
Vertide pressure which the body Center bears	No obvious mechanical damage	$\leq 30W$ 10kg; $\geq 40W$ 20kg
Solderability	The terminal is sinked by the solder and free flowing	Temperature 270°C $\pm 10^\circ\text{C}$, immersed for 2.0mm~2.5mm, immersed time $5 \pm 0.5\text{ss}$
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 $\Delta R \leq \pm (5\%R + 0.05\Omega)$	Add the Rated Power to the resistor under room temperature, works for 1.5h, 0.5h off test time: 500h