

FWI-BR has been painted ceramic tube high-power resistor

Product Category: Resistors

Product Specifications: GB



**Applications:**

Elevator, port machinery, rolling mills, hoist the generator, inverter and other brake and load

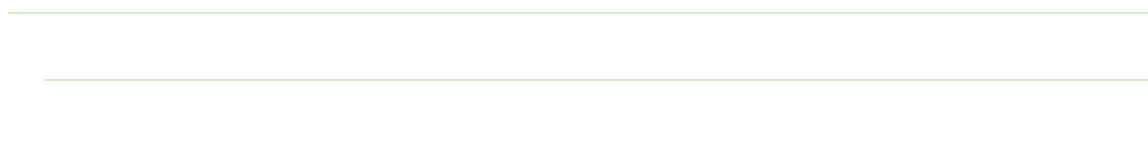
**Use of the environment:**

Rated temperature (+70 °C); use with the temperature range (-55 °C ~ +375 °C)

**Structure:**

rated power temperature (+70 °C); use with the temperature range (-55 °C ~ +375 °C)

**Applicable standards:** GB/T5729-2003 GB5732-85



Rated Power(W)	Resistance Range (Ω)	Outside the type size(mm)									Resistance Tolerance(%)	Temperature coefficient
		D±1	L1±3	L2±3	h±3	H±3	N±1	Φ±1	q±1	Q±1		
15W	0.12Ω~15KΩ	16	50	68	20	40	6	3	4.5	15	±5%	±250ppm
20W	0.12Ω~20KΩ	20	52	78	26	52	6	3	5	20		
30W	0.12Ω~25KΩ	20	75	100	26	52	6	3	5	20		
40W	0.12Ω~30KΩ	20	75	100	26	52	6	3	5	20		
50W	0.3Ω~30KΩ	28	90	100	26	52	9	3	5	20		
75W	0.3Ω~30KΩ	28	140	166	30	65	9	4	6	27		
100W	0.5Ω~30KΩ	20	165	195	26	52	6	3	5	20		
	0.5Ω~30KΩ	28	170	200	30	65	9	4	6	27		
	0.5Ω~30KΩ	40	90	122	46	90	10	5	6	40		
150W	0.5Ω~30KΩ	28	215	241	30	65	9	4	6	27		
200W	0.5Ω~30KΩ	28	267	290	30	65	9	4	6	27		
	0.5Ω~30KΩ	40	160	192	46	90	10	5	6	39		
250W	0.5Ω~30KΩ	40	180	212	46	90	10	5	6	39		
	0.5Ω~30KΩ	40	200	235	46	90	10	5	6	39		
300W	0.5Ω~30KΩ	40	267	300	46	90	10	5	6	39		
350W	0.5Ω~30KΩ	40	330	360	46	90	10	5	6	39		
400W	0.5Ω~10KΩ	40	330	360	46	90	10	5	6	39		
500W	0.5Ω~10KΩ	50	300	338	45	90	10	5	6	49		
750W	0.5Ω~10KΩ	50	330	368	45	90	10	5	6	49		
1000W	0.5Ω~10KΩ	60	250	305	64	130	15	5	6	59		
	0.5Ω~10KΩ	60	430	485	64	130	15	5	6	59		
1500W	0.5Ω~10KΩ	70	300	360	76	145	15	5	8	69		
2000W	0.5Ω~8KΩ	70	430	490	76	145	15	5	8	69		
3000W	0.5Ω~5KΩ	80	250	350	90	155	15	5	8	80		
5000W	0.5Ω~5KΩ	80	430	530	90	155	15	5	8	80		
10KW	0.5Ω~5KΩ	100	430	600	130	365	30	8	10	100		

The main test items, test methods and performance requirements		
Test items	Performance requirements	Test methods
Temperature coefficient of resistance	$\leq \pm 250 (\times 10^{-6} / ^\circ\text{C})$	$-55^\circ\text{C} / +20^\circ\text{C}, 20^\circ\text{C} / +125^\circ\text{C}$
Terminal Strength	$R \leq \pm (1\%R + 0.05\Omega)$	Pull 20N
Dielectric	No breakdown or flashover	2500V DC, 1min
Weldability	Solder to flow freely and with terminals infiltration	$235 \pm 5^\circ\text{C}$ $2 \pm 0.5\text{s}$
Resistance to soldering heat	$\Delta R \leq \pm (1\%R + 0.05\Omega)$	$260 \pm 5^\circ\text{C}$ $10 \pm 1\text{s}$
Short-time overload	$\Delta R \leq \pm (2\%R + 0.05\Omega)$	10 times the rated power, 5s
Rapid changes in temperature	$\Delta R \leq \pm (1\%R + 0.05\Omega)$	$-55^\circ\text{C} / +125^\circ\text{C}$ 5 cycles
Vibration	$\Delta R \leq \pm (1\%R + 0.05\Omega)$	10~500Hz 98m/s <sup>2</sup>
Long-term load	$\Delta R \leq \pm (2\%R + 0.05\Omega)$	$+70 \pm 2^\circ\text{C}$ VR 1000h
Non-flammable	Not burning	1 to 6 times the rated power for 5 minutes
Surface temperature rise	$\leq 350^\circ\text{C}$	The rated power
Insulation resistance value	1000M $\Omega$	1000V DC