

# Grid Box Wirewound Power Resistors

## Quick Build Dynamic Braking Resistors and Enclosures (BOX)

### ► Preview

Token offers power resistors mounted in BOX type enclosures and can be pre-wired for easy installation both at the OEM's factory and at an industrial job-site.

Sizes up to 4800 watts are available for shipment depending on the resistance value required. Token engineering staff can assist customers in meeting their design needs. Our production capabilities allow us to design and manufacture some of the most unique resistor packages offered.

Custom is standard at Token Electronics. Contact us with your specific needs.



### Construction :

- An assembly-type enclosure contains DR (Wire-Wound Power Resistors) series or DQ (Wave-Shape Ribbon-Wound Power Resistors) series.
- The BOX (grid, screened cover or solid bottom plates) Series offers excellent protection and safety.
- A welded frame construction for large applications is utilized to provide a robust design for resistor mounting in both indoor and outdoor environments.
- The design of Token's BOX Series provides to enclosure unlimited combinations of power resistors to meet customer requirements.

### Options :

- Terminal blocks, thermal switches, conduit knockouts, fusing, fans, and other customer specified requirements are available on request.
- Accommodates a flexible range of assembly options for convenient utilization and installation. Refer to the DR and DQ features for exact specifications.

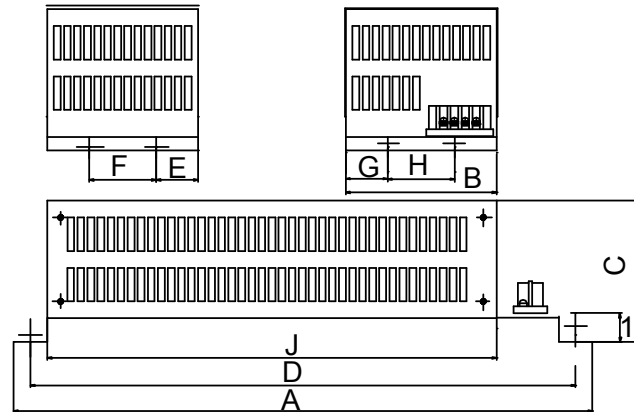
### Features

- Excellent heat dissipation,
- High power load capability and durability,
- Low temperature coefficient that is directly proportional.

### Applications

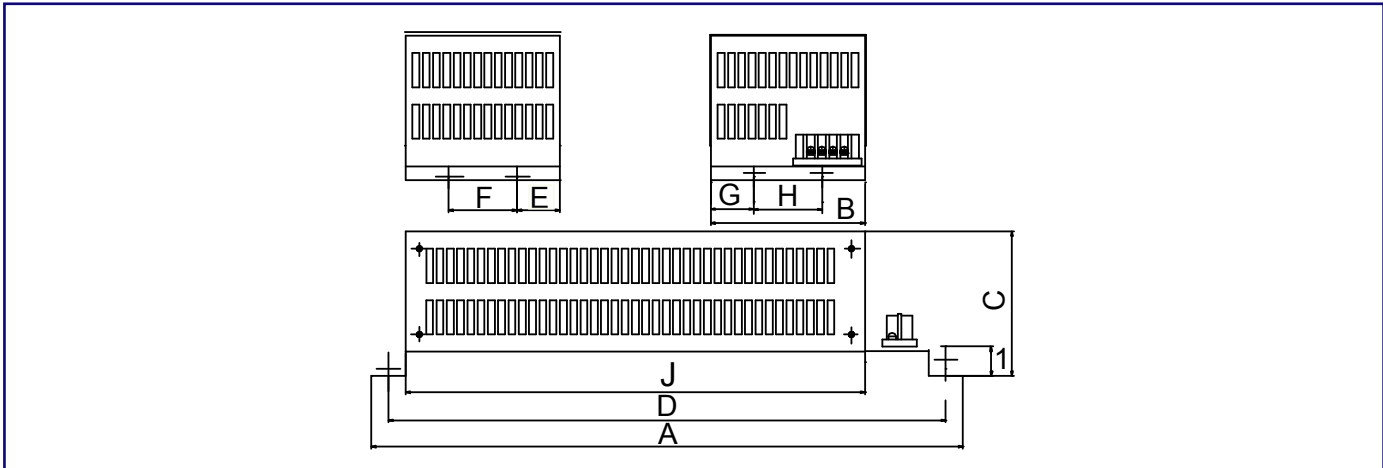
- Electric Power Distribution,
- Suitable for educational modeling applications,
- Load Testing, Industrial Machinery, Dynamic Braking Resistors,
- Instruments and Automation Control Installations.

**(BDR) 200W - 3200W Dimensions**



Power Rating	Dimensions(mm)											Resistance Range( $\Omega$ )
	CASE	A	B	C	D	E	F	G	H	I	J	
200W	A	345	90	76	325	45		43		8	268	0.1~100K $\Omega$
400W	A	345	90	76	325	45		43		8	268	0.1~200K $\Omega$
400W	B	450	152	100	428	30	90	74		10	355	0.1~200K $\Omega$
800W	B	450	152	100	428	30	90	74		10	355	0.1~400K $\Omega$
1200W	C	450	300	100	428	74	146	74	146	10	355	0.1~600K $\Omega$
1600W	C	450	300	100	428	74	146	74	146	10	355	0.1~800K $\Omega$
2000W	D	560	250	195	535	27	190	122		10	420	0.1~1000K $\Omega$
2400W	D	560	250	195	535	27	190	122		10	420	0.1~1200K $\Omega$
2800W	D	560	250	195	535	27	190	122		10	420	0.1~1400K $\Omega$
3200W	D	560	250	195	535	27	190	122		10	420	0.1~1600K $\Omega$

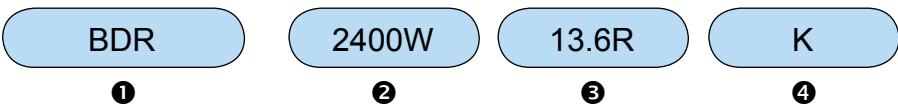
## ▶ (BQR) 300W - 4800W Dimensions



Power Rating	Dimensions(mm)											Resistance Range(Ω)
	CASE	A	B	C	D	E	F	G	H	I	J	
300W	A	345	90	76	325	45		43		8	268	0.1~30Ω
600W	A	345	90	76	325	45		43		8	268	0.1~60Ω
600W	B	450	152	100	428	30	90	74		10	355	0.1~60Ω
1200W	B	450	152	100	428	30	90	74		10	355	0.1~120Ω
1800W	C	450	300	100	428	74	146	74	146	10	355	0.1~180Ω
2400W	C	450	300	100	428	74	146	74	146	10	355	0.1~240Ω
3000W	D	560	250	195	535	27	190	122		10	420	0.1~300Ω
3600W	D	560	250	195	535	27	190	122		10	420	0.1~360Ω
4200W	D	560	250	195	535	27	190	122		10	420	0.1~420Ω
4800W	D	560	250	195	535	27	190	122		10	420	0.1~480Ω

Notice: All dimensions might be changed or modified, please refer to last updating specification.

## ▶ How to Order



- ❶ Part Number: BDR  
BQR
- ❷ Rated Power (W): 200W~3200W  
300W~4800W
- ❸ Resistance Value (Ω): Indicates resistance value in units of ohms.
- ❹ Resistance Tolerance (%)

Code	Resistance Tolerance
J	±5%
K	±10%

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