



## High Reliability for Automotive

### Features

- Excellent in anti-pulse and inrush current
- High power of up to 40 watts
- Uses flame-retardant insulated ceramic case
- Strong structure against electrical overload
- AEC-Q200 tested

### Applications

- Pre-charge
- Inrush current prevention
- Passive and active discharge

### Applications and Ratings

Type	Power Rating	Pulse Energy Capacity (J)*	Resistance Range (Ω) E24		Style & Weight (g/1pcs)					
			J±5%	K±10%	S**	N**	Q	QA	QC	QE
BWRV3	3W	11	1-390	—	3.9	5.9	—	—	—	—
BWRV5	5W	17	1-390	—	5.1	7.2	—	—	—	—
BWRV7	7W	52	1-390	—	7.5	10.8	—	—	—	—
BWRV10	10W	100	1-390	—	10.2	15.0	—	—	—	—
BWRV15	15W	100	1-390	—	18.8	—	—	—	—	—
BWRV20	20W	180	1-390	—	23.3	—	—	—	—	—
BWRV40	40W	549	4.3-220	—	—	—	93.5	—	—	—
BGRV5	5W	16	10-390	5.1-9.1	—	—	6.2	—	—	—
BGRV7	7W	31	10-390	5.1-9.1	—	—	7.9	—	—	—
BGRV10	10W	60	10-390	5.1-9.1	—	—	10.7	14.5	—	—
BGRV15	15W	60	10-390	5.1-9.1	—	—	18.6	24.6	—	—
BGRV20	20W	95	10-390	5.1-9.1	—	—	22.1	28.1	—	—
BGRV30	30W	161	10-390	5.1-9.1	—	—	—	—	—	—
BGRV30TQW	30W	161	10-100	5.1-9.1	—	—	59.6	72.4	84.6	73.9
BGRV40	40W	226	10-390	5.1-9.1	—	—	—	—	—	—
BGRV40TQW	40W	226	10-100	5.1-9.1	—	—	70.6	85.2	95.6	84.9
BSRV3	3W	—	430-27k	—	3.9	5.9	—	—	—	—
BSRV5	5W	—	430-51k	—	5.1	7.2	6.2	—	—	—
BSRV7	7W	—	430-56k	—	7.5	10.8	7.9	—	—	—
BSRV10	10W	—	430-75k	—	10.2	15.0	10.7	14.5	—	—
BSRV15	15W	—	430-56k	—	18.8	—	18.6	24.6	—	—
BSRV20	20W	—	430-56k	—	23.3	—	22.1	28.1	—	—

\* Average value between 10Ω~100Ω

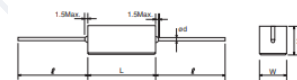
\*\* S Style and N Style lead terminal products are not compatible with the AEC-Q200 vibration test by only soldered PCB mounting. When using the product, please take into account vibration measures such as fixing the product with silicone resin.

Type	Power Rating	Rated Ambient Temperature	Max. Working Voltage (V)			Max. Overload Voltage (V)			T.C.R. (x10 <sup>-6</sup> /K)			Operating Temperature Range
			BGRV	BWRV	BSRV	BGRV	BWRV	BSRV	BGRV	BWRV	BSRV	
BGRV3	3W	+70°C	—	—	300	—	—	600	—	—	—	-40°C to +155°C
BGRV5	5W		—	—	350	—	—	700	—	—	—	
BGRV7	7W		—	—	500	—	—	1000	—	—	—	
BGRV10	10W		—	—	700	—	—	1400	—	—	—	
BGRV15	15W	+25°C	—	—	700	—	—	1400	—	—	—	
BGRV20	20W		—	—	750	—	—	1500	—	—	—	
BGRV30	30W		—	—	—	—	—	—	—	—	—	
BGRV40	40W		—	—	—	—	—	—	—	—	—	
BWRV40	40W		—	E=√P×R	—	—	E=√P×R×10	—	—	±250	—	

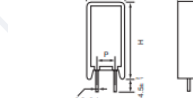
Rated voltage= √Power Rating × Resistance value or Max. working voltage, whichever is lower.



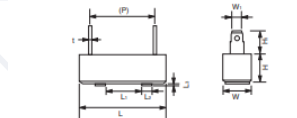
S Style



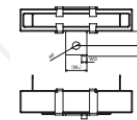
N Style



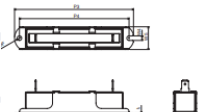
Q Style



QA Style



QC Style NEW



QE Style NEW

