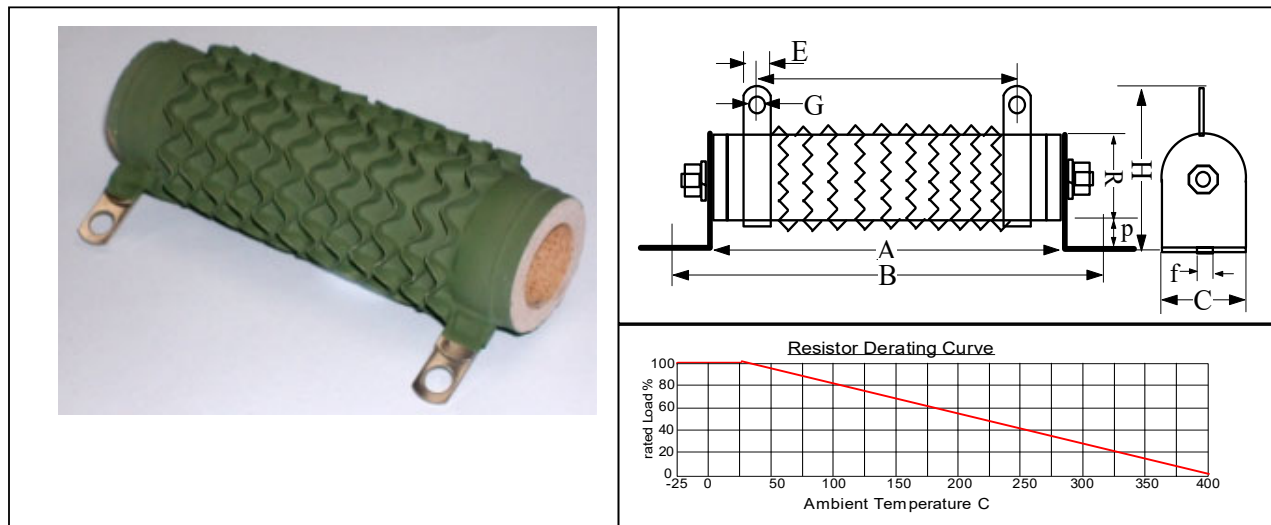


Silicon Coated Wave Ribbon Wire-Wound Power Resistors

- These resistors are suitable as Resistive Load simulation, Electric power distribution, Machinery, Power / Industrial Machinery, Instrument and Equipment higher power application; Automation control, particularly useful where high energy is to be dissipated in the lower ohmic ranges.
- Good for Continuous load and Short Time Over Load application
- Higher Current and better heat convection
- Resistance Adjustable version is available – DQS-F series
- Resistance Box and Load Bank available with power up to 2000KW.
- Support Precision Resistance Tolerance requirement
- Support Vitreous Enamel coating for harsh environment applications.



DQR-F Type – Wave Ribbon Wire Wound Resistors

Dimension in mm :	R	A	B	C	H	p	E	G	f
Tolerance : +/- mm	1	5	5	1	3	3	1	1	1
30W	20	70	100	20	50	15	6	3.5	5
40W	20	87	115	20	50	15	6	3.5	5
50W	28	90	122	28	68	20	9	4.5	6
80W	28	90	122	28	68	20	9	4.5	6
100W	28	170	202	28	68	20	9	4.5	6
150W	28	215	247	28	68	20	9	4.5	6
200W	28	267	300	28	68	20	9	4.5	6
250W	28	267	300	28	68	20	9	4.5	6
300W	40	267	305	40	90	20	10	4.5	6
400W	40	330	367	40	90	20	10	4.5	6
500W	50	330	370	50	98	20	10	6	8
600W	50 / 60	330	370	50	98	20	10	6	8
700W	50	400	440	50	95	20	10	6	8
800W	70	300	331	70	135	30	15	8	8
1000W	70	300	331	70	135	30	15	8	8
1500W	70	415	446	70	135	30	15	8	8
2000W	70	510	541	70	135	30	15	8	8
2500W	70	600	631	70	135	30	15	8	8
3000W	70	600	631	70	135	30	15	8	8
4000W	100	430	468	100	185	35	15	8	8
5000W	100	500	538	100	185	35	15	8	8
6000W	100	600	638	100	185	35	15	8	8
10,000W	150	600	640	152	260	43	30	8	10
12,000W	150	660	700	152	260	43	30	8	10
15,000W	150	660 / 750	700 / 850	152	260	43	30	8	10
20,000W	150	1000	1040	152	260	43	30	8	10

DQN-F Type – Wave-Shape Low Inductance Wire Wound Resistors

Dimension in mm :	R	A	B	C	H	p	E	G	f
Tolerance : +/- mm	1	5	5	1	3	3	1	1	1
30W	20	70	100	20	50	15	6	3.5	5
40W	20	87	115	20	50	15	6	3.5	5
50W	28	90	122	28	68	20	9	4.5	6
80W	28	90	122	28	68	20	9	4.5	6
100W	28	170	202	28	68	20	9	4.5	6
150W	28	215	247	28	68	20	9	4.5	6
200W	28	267	300	28	68	20	9	4.5	6
250W	28	267	300	28	68	20	9	4.5	6
300W	40	267	305	40	90	20	10	4.5	6
400W	40	330	367	40	90	20	10	4.5	6
500W	50	330	370	50	98	20	10	6	8
600W	50 / 60	330	370	50	98	20	10	6	8
700W	50	400	440	50	95	20	10	6	8
800W	70	300	331	70	135	30	15	8	8
1000W	70	300	331	70	135	30	15	8	8
1500W	70	415	446	70	135	30	15	8	8
2000W	70	510	541	70	135	30	15	8	8
2500W	70	600	631	70	135	30	15	8	8
3000W	70	600	631	70	135	30	15	8	8
4000W	100	430	468	100	185	35	15	8	8
5000W	100	500	538	100	185	35	15	8	8
6000W	100	600	638	100	185	35	15	8	8
10,000W	150	600	640	152	260	43	30	8	10
12,000W	150	660	700	152	260	43	30	8	10
15,000W	150	660 / 750	700 / 850	152	260	43	30	8	10
20,000W	150	1000	1040	152	260	43	30	8	10

Electrical Characteristics :

Testing	Testing Conditions	Testing Results
Resistance Tolerance	JIS-C-5202 5-1 testing voltage<3V 25C	+/-5%
Temperature Coefficient	JIS-C-5202 5-2	+/- 200 - 350ppm/C max.
Rated Load	JIS-C-5202 5-4 40C at rated voltage 1hour	$\Delta R \leq \pm(1\% + 0.1\text{ohm})$ surface temperature < 400C
Insulation Resistance	JIS-C-5202 5-6 500Vdc	100M ohm min.
Dielectric Withstand voltage	JIS-C-5202 5-7 1000Vdc 1min.	$\Delta R \leq \pm(0.1\% + 0.05\text{ohm})$
Short Time Overload	JIS-C-5202 5-5 DQR/DQN : 5*rated power in 5 sec DDVR : 50*rated power in 10 sec	$\Delta R \leq \pm(2\%R_o + 0.1\text{ohm})$
Flammability	1 - 6 times rated power 5min.	without combustion

Part Number :

Series + Rated Power + Resistance Value (ohm) + Resistance Tolerance + Drawing Number

DQR	30 - 20000W	0.1 ohm = R1	F = +/-1% / G = +/-2%	F : mounting fixture
DQN	30 - 20000W	1 ohm = 1R	H= +/-3%	
DQS		15 ohm = 15R	J = +/-5%	
		150 ohm = 150R	K= +/-10%	
		1000 ohm = 1kR	R= -0/+5%	
			T= -0/+10%	