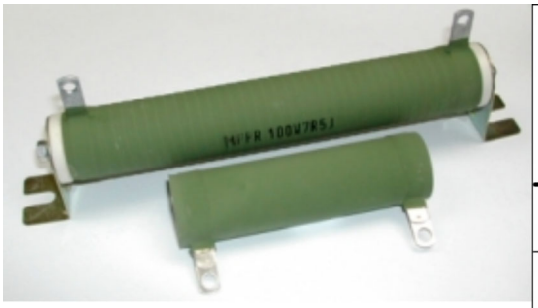
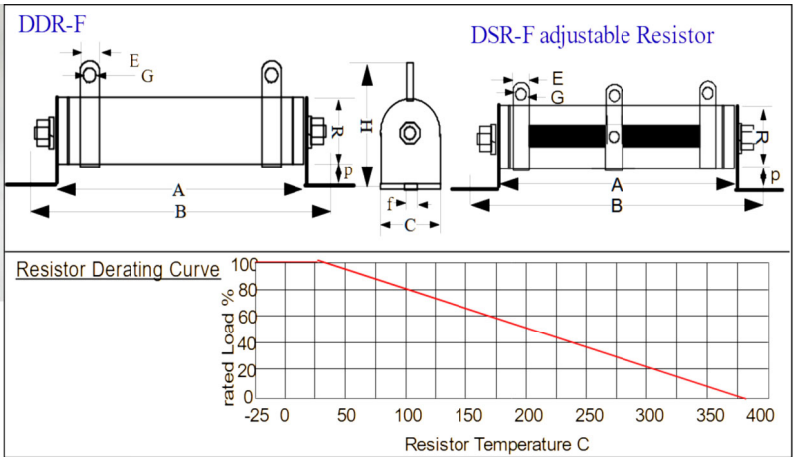
Silicone Coated Wire Wound Power Resistors with mounting fixture – DDR DNR DSR DDVR series

- These resistors are suitable as loading resistor, braking resistor, capacitor discharge, resistive load simulation, machinery and equipment higher power application.
- Suitable for Continuous Load and Short Time Over Load application
- Mounting fixture is available
- **DSR-F** series resistance adjustable with a movable ring terminal
- **DNR-F** series for Low Inductance WireWound Resistors.
- Support high current requirement
- Support precision resistance Tolerance requirement
- Support Vitreous Enamel coating for harsh environment applications.





DDR-F / DNR-F / DSR-F type – High Power 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
15W	15	45	66	15	40	13	6	3.5	4.5
20W	15	50	71	15	40	13	6	3.5	4.5
25W	20	50	80	20	50	15	6	3.5	5
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	299	28	68	20	9	4.5	6
250W	28	267	299	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	100 / 150	1000 / 600	1040 / 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 :

Testings	Testing Conditions	Testing Results
Resistance Tolerance	JIS-C-5202 5-1 testing voltage<3V 25C	Standard +/-5%
Temperature Coefficient	JIS-C-5202 5-2	+/- 200 - 400ppm/C max.
Rated Load	JIS-C-5202 5-4 40C at rated voltage 1hour	△R<=+/-(1%+0.1ohm) surface temperature <=400C
Insulation Resistance	JIS-C-5202 5-6 500Vdc	100M ohm min.
Dielectric Withstand voltage	JIS-C-5202 5-7 1000Vdc 1min. between Terminal and body	△R<=+/- (0.1%+0.05ohm)
Short Time Overload	JIS-C-5202 5-5 DDR/DSR/DNR : 5*rated power in 5 sec DDVR : 5*rated power in 10 sec	△R <= +/-(2%Ro + 0.1ohm)
Flammability	1 - 6 times rated power 5min.	without combustion
Load Life	JIS-C-5202 7-10 90min.-ON 30min.-OFF 500hours	Free of appearance or structural irregularity, Surface coating crack △R/R<=+/-(5%+0.1ohm)

Part Number :

Series	Rated Power	Resistance Value (ohm)		Resistance Tolerance	Drawing Number	Multi-Terminals (DDR & DNR)
DDR	15 – 20,000W	0.1 ohm	= R1	B= +/-0.1%	F : mounting fixture	2 Terminals : NA
DSR	15 – 20,000W	1 ohm	= 1R	D= +/-0.5%	W : with handwheel	3 Terminals : 3MT
DNR		15 ohm	= 15R	F = +/-1%		4 Terminals : 4MT
		150 ohm	= 150R	G = +/-2%		
		1k ohm	= 1kR	H=+/-3%		
				J = +/-5%		
				K= +/-10%		
				M= +/-20%		
				R= -0/+5%		
				T= -0/+10%		