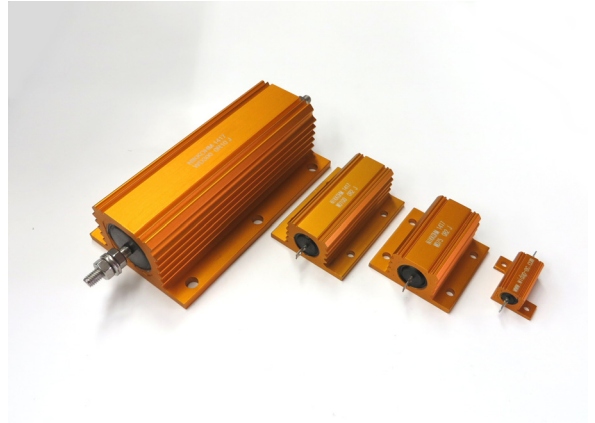


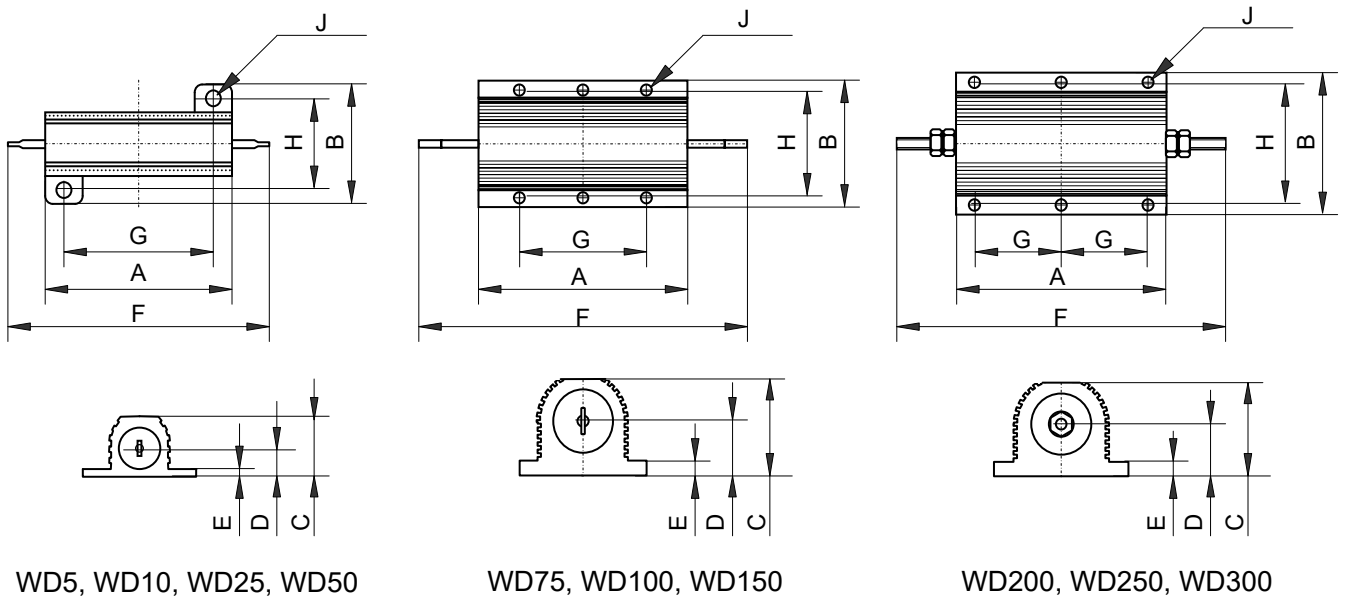
METAL CLAD WIRE WOUND RESISTOR
 WD5, WD10, WD25, WD50,
 WD75, WD100, WD150,
 WD200, WD250, WD300



Features and Applications

- Power rating 75W to 300W, rush current protection.
- High temperature operation, -25°C to 250 °C and all welded construction. Low TCR 30ppm/K, Tolerance 5% in standard and available up to 0.25%.
- Non-inductive winding is available, please call us
- .MIL-R-39009 and MIL-R-18546 style.
- Applications include inverters for power electronics

Dimensions (mm)



(mm)	A	B	C	D	E	F	G	H	J
	±0.5	--	Max	Max	--	Max	±0.3	±0.3	±0.5
WD5	16.8	17.0	9.0	4.5	2.5	31.0	11.3	12.4	2.4
WD10	20.1	21.0	11.0	5.5	2.5	36.5	14.3	15.9	2.4
WD25	27.3	28.0	15.0	7.5	3.0	51.8	18.3	19.8	3.2
WD50	50.1	30.0	17.0	8.5	3.0	72.5	39.7	21.4	3.2
WD75	48.9	48.0	26.0	12.0	4.0	71.0	29.0	37.0	4.4
WD100	65.4	48.0	26.0	12.0	4.0	87.5	35.0	37.0	4.4
WD150	97.0	48.0	26.0	12.0	4.0	122.0	29.0	37.0	4.4
WD200	89.0	73.0	45.0	20.5	5.5	143.0	35.0	57.2	5.1
WD250	114.0	73.0	45.0	20.5	5.5	163.0	44.5	57.2	5.1
WD300	127.0	73.0	45.0	20.5	5.5	180.0	52.0	59.0	6.6

METAL CLAD WIRE WOUND RESISTOR

WD5, WD10, WD25, WD50, WD75, WD100, WD150, WD200, WD250, WD300

Power Rating and Resistance

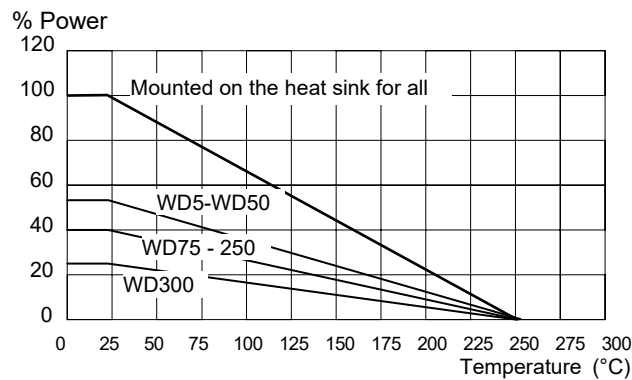
Type	Power Rating(W @ 25°C)		Resistance	Operating Voltage	Insulation Voltage	Weight	Heat Sink Plate
	With heat sink	Without heat sink	Resistance Range Ω	DC / AC rms Volt	(AC peak Volt)	Weight approx. grams	cm ² - thickness mm
WD5	10	5	0.01 - 10k	160	1400	5	400 - 1
WD10	15	8	0.01 - 15k	260	1400	7	400 - 1
WD25	25	12.5	0.01 - 36k	550	2500	15	550 - 1
WD50	50	20	0.01 - 86k	1250	2500	30	550 - 1
WD75	75	45	0.01 - 50K	1400	5000	85	1000 - 3
WD100	100	50	0.01 - 100K	1900	5000	115	1000 - 3
WD150	150	55	0.01 - 100K	2500	5000	175	1000 - 3
WD200	200	50	0.01 - 50K	1900	5000	475	3750 - 3
WD250	250	60	0.01 - 65K	2200	5000	600	4800 - 3
WD300	300	75	0.01 - 80K	2500	5000	700	5800 - 3

Ordering Information

Model WD75	Resistance 50ohm	Tolerance 5%, J	Package Code Z00 Z: RoHS 2
WD5 / WDN5	any value in above range	0.25%, C	
WD10 / WDN10		0.50%, D	
WD25 / WDN25		1.00%, F	
WD50 / WDN50		5.00% J, STD	
WD100 / WDN100			
WD150 / WDN150			
WD200 / WDN200			
WD250 / WDN250			
WD300 / WDN300			

For non-inductive windings, please attach 'N' after 'WD' as 'WDN'

Derating



Specifications and Performances

Tolerance	(for values less than 1Ω) (for values greater than 1Ω)	+/-5% +/-0.25% to +/-5%
TCR	60ppm/°C (for values less than 100Ω) (for values greater than 100Ω)	60ppm/□ 30ppm/□
Insulation Resistance	Dry / Normal	10 GΩ min.
Short time Overload	10 x rated voltage for 5 seconds	+/-0.5% < +/-1%
Shelf Life Stability	After 3 years	Less than +/-1%
Incombustibility	No flame, 16 x rated wattage for 5sec	No flame
Temperature Range	-25 °C to 250 °C	-----