



VISHAY INTERTECHNOLOGY, INC.



INDUSTRIAL WIREWOUND RESISTORS

Vitreous Coated

- GBS
- GWK
- GWS
- G200
- RW






Industrial Wirewound Resistors

Vitreous Coated

Features



- Power range of 4 W to 1000 W
- Resistance range of 0.1 to 390 K
- Temperature range: - 55 °C to + 200 °C
- Fire-proof construction
- High-quality ceramic core
- Perfect humidity protection
- Outstanding endurance
- Adjustable and non-inductive styles available

Historical Model	Product	Wattage	Resistance Range	Tolerance ± % *	TC (ppm/K) *	Applications
	GBS 20/100	80 W	R13 – 6R2	5/10	- 10...- 80/ 100...180, + 650 to + 750	<ul style="list-style-type: none"> • Filters • Capacitor discharge • Break resistors • Power supplies • Welding equipment • Rail systems • Voltage dividers • Converters • Automotive
	GBS 20/100E	50 W	R13 – 6R2			
	GBS 20/165	160 W	R27 – 12R			
	GBS 20/165E	100 W	R27 – 12R			
	GBS 20/265	300 W	R47 – 22R			
	GBS 20/265E	180 W	R47 – 22R			
	GBS 30/100	150 W	R10 – 8R2			
	GBS 30/100E	90 W	R10 – 8R2			
	GBS 30/133	200 W	R15 – 12R			
	GBS 30/133E	120 W	R15 – 12R			
	GBS 30/165	250 W	R20 – 16R			
	GBS 30/165E	150 W	R20 – 16R			
	GBS 30/215	300 W	R27 – 24R			
	GBS 30/215E	200 W	R27 – 24R			
	GBS 30/265	375 W	R30 – 27R			
GBS 30/265E	250 W	R30 – 27R				
GBS 30/330	450 W	R39 – 36R				
GBS 30/330E	350 W	R39 – 36R				
GBS 45/370	750 W	R75 – 56R				
GBS 45/370E	550 W	R75 – 56R				
GBS 60/370	1000 W	R91 – 75R				
GBS 60/370E	700 W	R91 – 75R				
	GWK 10	10 W	1R8 – 16K	2/5/10	100...180	
	GWK 10Ni	7 W	2R4 – 1K	5/10		
	GWK 20	20 W	2R2 – 27K	2/5/10		
	GWK 20Ni	13 W	4R7 – 1K8	5/10		
	GWK 40	30 W	3R3 – 43K	2/5/10		
	GWK 40Ni	20 W	6R8 – 2K7	5/10		
	GWK 60	40 W	6R2 – 82K	2/5/10		
	GWK 60Ni	25 W	13R – 5K1	5/10		
	GWK 100	80 W	8R2 – 82K	2/5/10		
	GWK 100Ni	50 W	27R – 10K	5/10		
GWK 150	100 W	12R – 110K	2/5/10			
GWK 150Ni	60 W	36R – 15K	5/10			
GWK 200	160 W	20R – 180K	2/5/10			
GWK 200Ni	100 W	56R – 22K	5/10			
GWK 300	260 W	36R – 330K	2/5/10			
GWK 300Ni	180 W	100R – 43K	5/10			
	G202	4 W	R10 - 10K on request	2/5/10 1		
	G204	7 W	R10 - 39K on request	2/5/10 1		
	G206	13 W	R15 - 68K on request	2/5/10 1		
	G207	17 W	R20 - 120K on request	2/5/10 1		

Note: E = adjustable — Ni = non-inductive

* Ohmic values are not available in all tolerances and TC values. For more details, please refer to the related datasheet at www.vishay.com or contact your local sales office.

** MIL standard available, please visit www.vishay.com/doc?21005.

Historical Model	Product	Wattage	Resistance Range	Tolerance ± % *	TC (ppm/K) *	Applications
	GWS 15	15 W	4R3 – 20K	2/3/5/10	100...180	<ul style="list-style-type: none"> • Filters • Capacitor discharge • Break resistors • Power supplies • Welding equipment • Rail systems • Voltage dividers • Converters • Automotive
	GWS 15E	10 W	4R3 – 620R	5/10		
	GWS 15Ni	10 W	5R1 – 910R	5/10		
	GWS 20	20 W	3R6 – 30K	2/5/10		
	GWS 20E	15 W	4R3 – 1K0	5/10		
	GWS 20Ni	15 W	5R1 – 1K3	5/10		
	GWS 25	25 W	3R6 – 39K	2/3/5/10		
	GWS 25E	18 W	5R1 – 1K3	5/10		
	GWS 25Ni	18 W	6R8 – 1K8	5/10		
	GWS 35	30 W	5R1 – 47K	2/5/10		
	GWS 35E	22 W	6R8 – 1K6	5/10		
	GWS 35Ni	22 W	8R2 – 2K4	5/10		
	GWS 50	40 W	3R3 – 62K	2/3/5/10		
	GWS 50E	30 W	8R2 – 2K0	5/10		
	GWS 50Ni	30 W	10R – 3K0	5/10		
	GWS 75	65 W	7R5 – 130K	2/3/5/10		
	GWS 75E	45 W	18R – 3K9	5/10		
	GWS 75Ni	45 W	22R – 6K2	5/10		
	GWS 100	80 W	6R8 – 110K	2/3/5/10		
	GWS 100E	60 W	13R – 5K1	5/10		
GWS 100Ni	60 W	24R – 6K8	5/10			
GWS 30/100	150 W	9R1 – 100K	2/5/10			
GWS 30/100E	110 W	22R – 8K2	5/10			
GWS 220	160 W	13R – 160K	2/3/5/10			
GWS 220E	120 W	30R – 10K	5/10			
GWS 220Ni	120 W	51R – 16K	5/10			
GWS 30/133	200 W	13R – 160K	2/5/10			
GWS 30/133E	130 W	36R – 13K	5/10			
GWS 300	300 W	24R – 300K	2/3/5/10			
GWS 300E	200 W	56R – 20K	5/10			
GWS 300Ni	200 W	100R – 30K	5/10			
GWS 500	500 W	39R – 270K	2/3/5/10			
GWS 500E	300 W	100R – 36K	5/10			
	RW 10/44	18 W	1R0 – 36K	5/10		
	RW 10/44E	11 W	1R0 – 1K6			
	RW 10/44Ni	11 W	6R2 – 2K4			
	RW 12/25	11 W	R39 – 13K			
	RW 12/38	15 W	1R0 – 33K			
	RW 12/38E	14 W	4R3 – 1K5			
	RW 12/38Ni	14 W	5R6 – 2K2			
	RW 12/51	25 W	1R0 – 56K			
	RW 12/51E	17 W	1R0 – 2K4			
	RW 12/51Ni	17 W	9R1 – 3K6			
	RW 12/76	45 W	2R0 – 4K3			
	RW 12/76E	27 W	2R0 – 91K			
	RW 12/76Ni	27 W	16R – 6K2			
	RW 20/76	70 W	1R0 – 75K			
	RW 20/76E	42 W	1R0 – 6K8			
	RW 20/76Ni	42 W	24R – 10K			
	RW 20/102	90 W	3R0 – 110K			
	RW 20/102E	55 W	3R – 10K			
	RW 20/102Ni	55 W	36R – 15K			
	RW 30/102	130 W	2R7 – 160K			
RW 30/102E	80 W	2R7 – 15K				
RW 30/152	220 W	4R7 – 200K				
RW 30/152E	130 W	4R7 – 24K				
RW 30/203	300 W	6R8 – 270K				
RW 30/203E	180 W	6R8 – 36K				
RW 30/267	400 W	8R2 – 390K				
RW 30/267E	240 W	8R2 – 47K				
RW 30/305	480 W	10R – 300K				
RW 30/305E	290 W	10R – 56K				



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