

Vitreous Wirewound Resistors



FEATURES

- All welded construction
- Ceramic core
- Models acc. MIL-R-26 available
- Complete vitreous coating for perfect humidity protection
- Available in adjustable = "E" or non inductive design = "Ni"
- TCR 100...180 ppm/K - WM110 (Class 3)



RoHS
COMPLIANT

STANDARD ELECTRICAL SPECIFICATIONS						
GLOBAL MODEL	HISTORICAL MODEL	POWER RATING $P_{40^{\circ}\text{C}}$ W	LIMITING VOLTAGE V	RESISTANCE RANGE (1) Ω	TOLERANCE \pm %	E-SERIES
RW010440	RW 10 x 44	18	400	1R0 - 3R9	10	E 12
				4R3 - 36K	10	E 12
				7R5 - 36K	5	E 24
RW010441	RW 10 x 44 E	11		1R0 - 6R2	10	E 12
				6R8 - 1K6	10	E 12
				6R8 - 1K6	5	E 24
RW010442	RW 10 x 44 Ni	11		6R2 - 2K4	10	E 12
				6R2 - 2K4	5	E 24
RW012250	RW 12 x 25	11		120	R39 - 3R3	10
			3R6 - 13K		10	E 12
			33R - 13K		5	E 24
RW012380	RW 12 x 38	15	1R0 - 3R6		10	E 12
			3R9 - 33K		10	E 12
			5R6 - 33K		5	E 24
RW012381	RW 12 x 38 E	14	-		-	-
			4R3 - 1K5		10	E 12
			5R6 - 1K5		5	E 24
RW012382	RW 12 x 38 Ni	14	5R6 - 2K2	10	E 12	
			5R6 - 2K2	5	E 24	
RW012510	RW 12 x 51	25	600	1R0 - 3R9	10	E 12
				4R3 - 56K	10	E 12
				5R6 - 56K	5	E 24
RW012511	RW 12 x 51 E	17		1R0 - 6R2	10	E 12
				6R8 - 2K4	10	E 12
				6R8 - 2K4	5	E 24
RW012512	RW 12 x 51 Ni	17		9R1 - 3K6	10	E 12
				9R1 - 3K6	5	E 24

Note

(1) Values in the first line of 10 % tolerance are produced with corrugated ribbon.

STANDARD ELECTRICAL SPECIFICATIONS							
GLOBAL MODEL	HISTORICAL MODEL	POWER RATING $P_{40^{\circ}\text{C}}$ W	LIMITING VOLTAGE V	RESISTANCE RANGE ⁽¹⁾ Ω	TOLERANCE \pm %	E-SERIES	
RW012760	RW 12 x 76	45	1000	2R0 - 7R5	10	E 12	
				8R2 - 91K	10	E 12	
				8R2 - 91K	5	E 24	
RW012761	RW 12 x 76 E	27		2R0 - 12R	10	E 12	
				13R - 4K3	10	E 12	
				13R - 4K3	5	E 24	
RW012762	RW 12 x 76 Ni	27		16R - 6K2	10	E 12	
				16R - 6K2	5	E 24	
RW020760	RW 20 x 76	70		1000	1R0 - 11R	10	E 12
			12R - 75K		10	E 12	
			12R - 75K		5	E 24	
RW020761	RW 20 x 76 E	42	1R0 - 18R		10	E 12	
			20R - 6K8		10	E 12	
			20R - 6K8		5	E 24	
RW020762	RW 20 x 76 Ni	42	24R - 10K		10	E 12	
			24R - 10K		5	E 24	
RW201020	RW 20 x 102	90	1400		3R - 16R	10	E 12
				18R - 110K	10	E 12	
				18R - 110K	5	E 24	
RW201021	RW 20 x 102 E	55		3R - 27R	10	E 12	
				30R - 10K	10	E 12	
				30R - 10K	5	E 24	
RW201022	RW 20 x 102 Ni	55		36R - 15K	10	E 12	
				36R - 15K	5	E 24	
RW301020	RW 30 x 102	130		1600	2R7 - 22R	10	E 12
			24R - 160K		10	E 12	
			24R - 160K		5	E 24	
RW301021	RW 30 x 102 E	80	2R7 - 22R		10	E 12	
			43R - 15K		10	E 12	
			43R - 15K		5	E 24	
RW301520	RW 30 x 152	220	2500		4R7 - 30R	10	E 12
					33R - 200K	10	E 12
					33R - 200K	5	E 24
RW301521	RW 30 x 152 E	130		4R7 - 30R	10	E 12	
				75R - 24K	10	E 12	
				75R - 24K	5	E 24	

Note

⁽¹⁾ Values in the first line of 10 % tolerance are produced with corrugated ribbon.



RW

Vishay Draloric

Vitreous Wirewound Resistors



STANDARD ELECTRICAL SPECIFICATIONS						
GLOBAL MODEL	HISTORICAL MODEL	POWER RATING $P_{40^{\circ}\text{C}}$ W	LIMITING VOLTAGE V	RESISTANCE RANGE (1) Ω	TOLERANCE \pm %	E-SERIES
RW302030	RW 30 x 203	300	3600	6R8 - 43R	10	E 12
				47R - 270K	10	E 12
				47R - 270K	5	E 24
RW302031	RW 30 x 203 E	180	3600	6R8 - 43R	10	E 12
				100R - 36K	10	E 12
				100R - 36K	5	E 24
RW302670	RW 30 x 267	400	5000	8R2 - 68R	10	E 12
				75R - 390K	10	E 12
				75R - 390K	5	E 24
RW302671	RW 30 x 267 E	240	5000	8R2 - 68R	10	E 12
				150R - 47K	10	E 12
				150R - 47K	5	E 24
RW303050	RW 30 x 305	480	6000	10R - 68R	10	E 12
				75R - 300K	10	E 12
				75R - 300K	5	E 24
RW303051	RW 30 x 305 E	290	6000	10R - 68R	10	E 12
				160R - 56K	10	E 12
				160R - 56K	5	E 24
RW000290 (2)	RW 29	11	400	7R5 - 3K3	5	E 24
RW000300 (2)	RW 30	11	120	33R - 1K1	5	E 24
RW000310 (2)	RW 31	14	350	5R6 - 3K	5	E 24
RW000320 (2)	RW 32	17	600	5R6 - 4K7	5	E 24
RW000330 (2)	RW 33	26	1000	8R2 - 8K2	5	E 24
RW000350 (2)	RW 35	55	1400	18R - 20K	5	E 24
RW000360 (2)	RW 36	78	1600	24R - 30K	5	E 24
RW000370 (2)	RW 37	113	2500	33R - 47K	5	E 24
RW000380 (2)	RW 38	159	3600	47R - 68K	5	E 24
RW000470 (2)	RW 47	210	5000	75R - 91K	5	E 24

Notes

(1) Values in the first line of 10 % tolerance are produced with corrugated ribbon.

(2) Model according to MIL-R-26.

GLOBAL PART NUMBER INFORMATION

New Global Part Numbering: RW0104411009JLX000 (preferred part number format)

R W 0 1 0 4 4 1 1 0 0 9 J L X 0 0 0

MODEL	SIZE	SPECIAL CHARACTER	VALUE	TOLERANCE	PACKAGING	SPECIAL
RW	01044 = 10/44 01225 = 12/25 01238 = 12/38 01251 = 12/51 01276 = 12/76 02076 = 20/76 20102 = 20/102 30102 = 30/102 30152 = 30/152 30203 = 30/203 30267 = 30/267 30305 = 30/305 00029 = 29 00030 = 30 00031 = 31 00032 = 32 00033 = 33 00035 = 35 00036 = 36 00037 = 37 00038 = 38 00047 = 47	0 = Neutral 1 = E 2 = NI 7 = FST C = E FST H = NI FST Z = Value overflow (BV) (Note: NI is also known as SWI)	3 digit value 1 digit multiplier MULTIPLIER 7 = 10^{-3} 8 = 10^{-2} 9 = 10^{-1} 0 = 10^0 1 = 10^1 2 = 10^2 3 = 10^3 4 = 10^4	J = $\pm 5.0\%$ K = $\pm 10.0\%$	(see Packaging table)	The 5 digit BV number will be encoded using a 36 character code. This code contains numbers 0...9 and letters A...Z (36 characters total) and allows to encode at least 46 655 five digit BV numbers. 000 = Standard

Historical Part Number Example: RW 10/44 E 10R 5 % (will continue to be accepted)

RW 10/44	E	10R	5 %
HISTORICAL MODEL	SPECIAL CHARACTER	VALUE	TOLERANCE

PACKAGING TABLE

SAP	DESCRIPTION	TYPE
LX	Loose pack, without quantity	all
ZX	Special pack (with BV #), without quantity Note: LX = B29 on Dale legacy ZX = S51 on Dale legacy	all