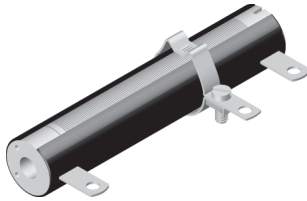


Vitreous Wirewound Resistors



FEATURES

- All welded construction
- Ceramic core
- Models acc. MIL-R-26 available
- Complete vitreous coating for perfect humidity protection
- Adjustable and non inductive design available
- TC 100. . .180ppm/K

STANDARD ELECTRICAL SPECIFICATIONS					
MODEL	POWER RATING P _{40°C} W	LIMITING VOLTAGE V	RESISTANCE RANGE ¹⁾ Ω	TOLERANCE ± %	E-SERIES
RW 10/44	18	400	1R0 - 3R9	10	E 12
			4R3 - 36K	10	E 12
			7R5 - 36K	5	E 24
RW 10/44 E	11		1R0 - 6R2	10	E 12
			6R8 - 1K6	10	E 12
			6R8 - 1K6	5	E 24
RW 10/44 Ni	11		6R2 - 2K4	10	E 12
			6R2 - 2K4	5	E 24
RW 12/25	11	120	R39 - 3R3	10	E 12
			3R6 - 13K	10	E 12
			33R - 13K	5	E 24
RW 12/38	15	350	1R0 - 3R6	10	E 12
			3R9 - 33K	10	E 12
			5R6 - 33K	5	E 24
RW 12/38 E	14		—	—	—
			4R3 - 1K5	10	E 12
			5R6 - 1K5	5	E 24
RW 12/38 Ni	14		5R6 - 2K2	10	E 12
			5R6 - 2K2	5	E 24
RW 12/51	25	600	1R0 - 3R9	10	E 12
			4R3 - 56K	10	E 12
			5R6 - 56K	5	E 24
RW 12/51 E	17		1R0 - 6R2	10	E 12
			6R8 - 2K4	10	E 12
			6R8 - 2K4	5	E 24
RW 12/51 Ni	17		9R1 - 3K6	10	E 12
			9R1 - 3K6	5	E 24
RW 12/76	45	1000	2R0 - 7R5	10	E 12
			8R2 - 91K	10	E 12
			8R2 - 91K	5	E 24
RW 12/76 E	27		2R0 - 12R	10	E 12
			13R - 4K3	10	E 12
			13R - 4K3	5	E 24
RW 12/76 Ni	27		16R - 6K2	10	E 12
			16R - 6K2	5	E 24
RW 20/76	70	1000	1R0 - 11R	10	E 12
			12R - 75K	10	E 12
			12R - 75K	5	E 24
RW 20/76 E	42		1R0 - 18R	10	E 12
			20R - 6K8	10	E 12
			20R - 6K8	5	E 24
RW 20/76 Ni	42		24R - 10K	10	E 12
			24R - 10K	5	E 24

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



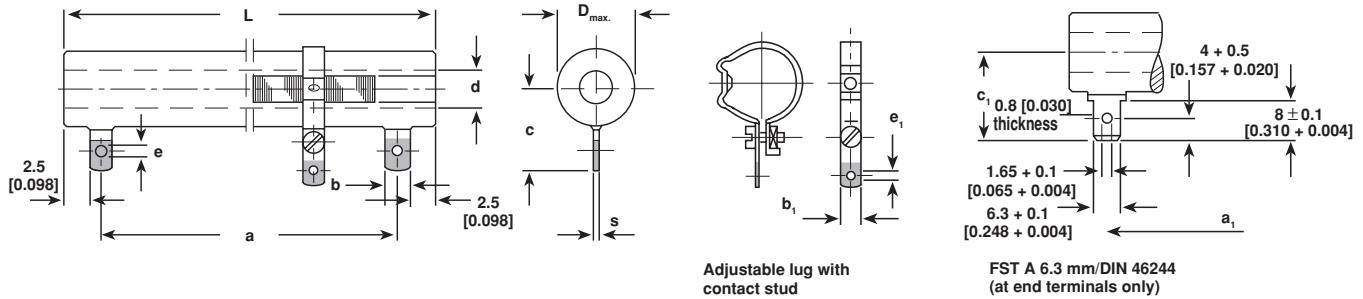
STANDARD ELECTRICAL SPECIFICATIONS (CONTINUED)					
MODEL	POWER RATING P _{40°C} W	LIMITING VOLTAGE	RESISTANCE RANGE ¹⁾ Ω	TOLERANCE ± %	E-SERIES
RW 20/102	90	1400	3R - 16R	10	E 12
			18R - 110K	10	E 12
			18R - 110K	5	E 24
RW 20/102 E	55	1400	3R - 27R	10	E 12
			30R - 10K	10	E 12
			30R - 10K	5	E 24
RW 20/102 Ni	55	1400	36R - 15K	10	E 12
			36R - 15K	5	E 24
RW 30/102	130	1600	2R7 - 22R	10	E 12
			24R - 160K	10	E 12
			24R - 160K	5	E 24
RW 30/102 E	80	1600	2R7 - 22R	10	E 12
			43R - 15K	10	E 12
			43R - 15K	5	E 24
RW 30/152	220	2500	4R7 - 30R	10	E 12
			33R - 200K	10	E 12
			33R - 200K	5	E 24
RW 30/152 E	130	2500	4R7 - 30R	10	E 12
			75R - 24K	10	E 12
			75R - 24K	5	E 24
RW 30/203	300	3600	6R8 - 43R	10	E 12
			47R - 270K	10	E 12
			47R - 270K	5	E 24
RW 30/203 E	180	3600	6R8 - 43R	10	E 12
			100R - 36K	10	E 12
			100R - 36K	5	E 24
RW 30/267	400	5000	8R2 - 68R	10	E 12
			75R - 390K	10	E 12
			75R - 390K	5	E 24
RW 30/267 E	240	5000	8R2 - 68R	10	E 12
			150R - 47K	10	E 12
			150R - 47K	5	E 24
RW 30/305	480	6000	10R - 68R	10	E 12
			75R - 300K	10	E 12
			75R - 300K	5	E 24
RW 30/305 E	290	6000	10R - 68R	10	E 12
			160R - 56K	10	E 12
			160R - 56K	5	E 24
RW 29 ²⁾	11	400	7R5 - 3K3	5	E 24
RW 30 ²⁾	11	120	33R - 1K1	5	E 24
RW 31 ²⁾	14	350	5R6 - 3K	5	E 24
RW 32 ²⁾	17	600	5R6 - 4K7	5	E 24
RW 33 ²⁾	26	1000	8R2 - 8K2	5	E 24
RW 35 ²⁾	55	1400	18R - 20K	5	E 24
RW 36 ²⁾	78	1600	24R - 30K	5	E 24
RW 37 ²⁾	113	2500	33R - 47K	5	E 24
RW 38 ²⁾	159	3600	47R - 68K	5	E 24
RW 47 ²⁾	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.

ORDERING INFORMATION				
RW	20/102	FST	100R	± 5%
MODEL	SIZE	TERMINAL	RESISTANCE VALUE Ω	TOLERANCE ± %

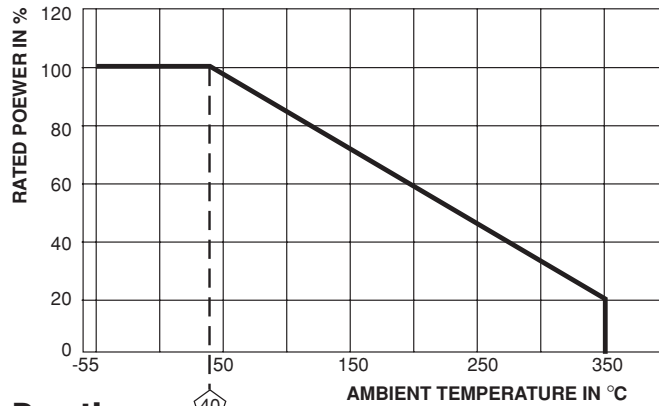
DIMENSIONS



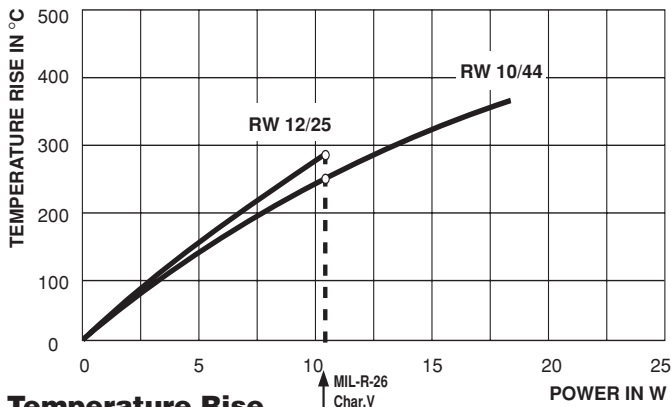
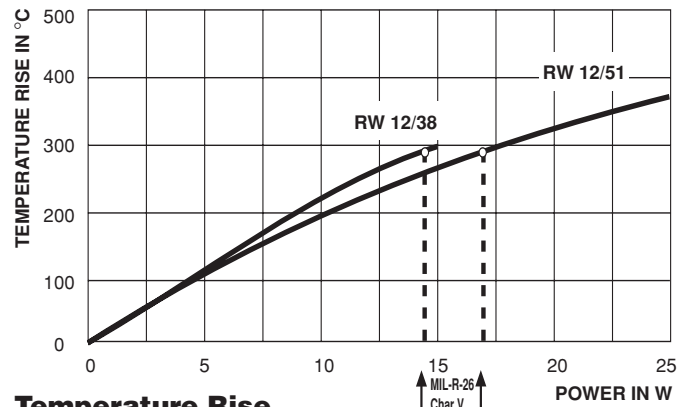
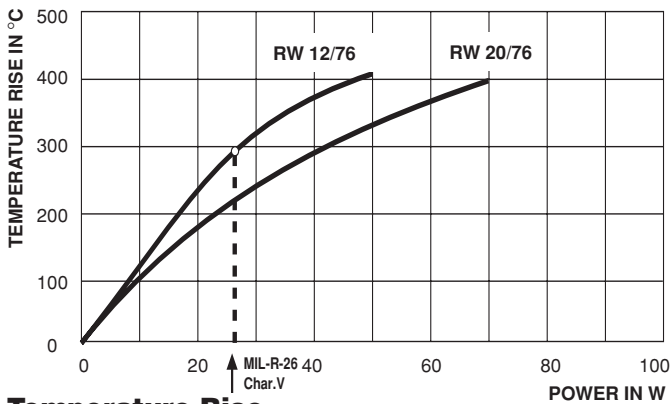
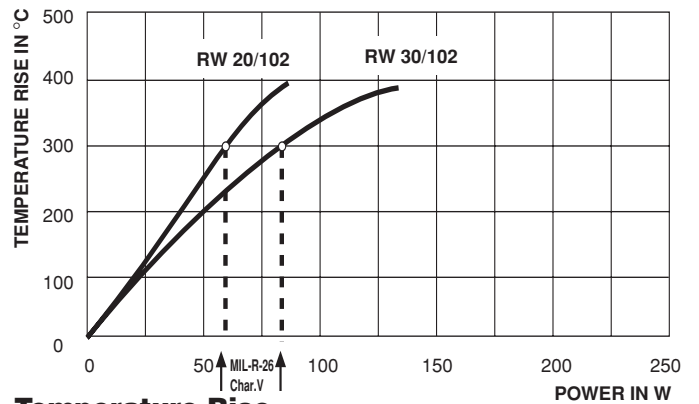
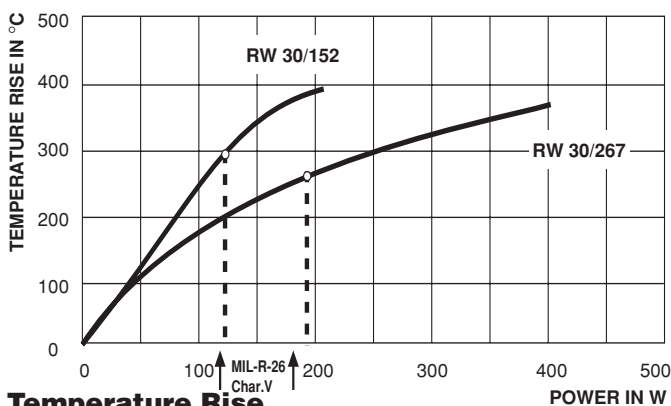
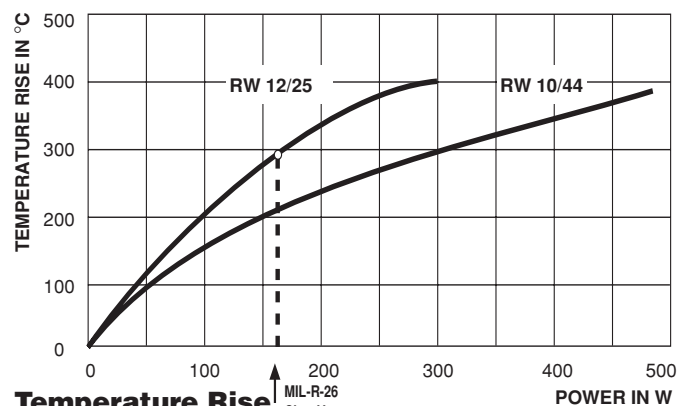
MODEL	DIMENSIONS in millimeters [inches]					
	RW 10/44 RW 10/44 E RW 10/44 Ni RW 29 ²⁾	RW 12/25 RW 30 ²⁾	RW 12/38 RW 12/38 E RW 12/38 Ni RW 31 ²⁾	RW 12/51 RW 12/51 E RW 12/51 Ni RW 32 ²⁾	RW 12/76 RW 12/76 E RW 12/76 Ni RW 33 ²⁾	RW 20/76 RW 20/76 E RW 20/76 Ni
MM D _{max.} ¹⁾	12.7 (15.7) [0.5 (0.618)]	15.1 (18.1) [0.595 (0.713)]	15.1 (18.1) [0.595 (0.713)]	15.1 (18.1) [0.595 (0.713)]	15.1 (18.1) [0.595 (0.713)]	23 (26) [0.906 (1.024)]
L ± 1.6mm	44.4 [1.748]	25.4 [1.000]	38.1 [1.500]	50.8 [2.000]	76.2 [3.000]	76.2 [3.000]
a	33.4 [1.315]	14.4 [0.570]	27.1 [1.070]	39.8 [1.570]	65.2 [2.570]	63.2 [2.490]
a ₁	31.4 [1.236]	—	25.1 [0.990]	37.8 [1.490]	63.2 [2.490]	63.2 [2.490]
b	6 [0.236]	6 [0.240]	6 [0.240]	6 [0.240]	6 [0.240]	8 [0.310]
b ₁	5 [0.197]	—	5 [0.200]	5 [0.200]	5 [0.200]	5 [0.200]
c	16.5 [0.650]	17.5 [0.690]	17.5 [0.690]	17.5 [0.690]	17.5 [0.690]	22 [0.870]
c ₁	18.5 [0.728]	—	19 [0.750]	19 [0.750]	19 [0.750]	23 [0.910]
d	4.5 [0.177]	5.5 [0.220]	5.5 [0.220]	5.5 [0.220]	5.5 [0.220]	12 [0.470]
e	3.2 [0.126]	3.2 [0.130]	3.2 [0.130]	3.2 [0.130]	3.2 [0.130]	4.2 [0.170]
e ₁	2.8 [0.110]	—	3.2 [0.130]	3.2 [0.130]	3.2 [0.130]	3.2 [0.130]
s	0.6 [0.024]	0.6 [0.020]	0.6 [0.020]	0.6 [0.020]	0.6 [0.020]	0.8 [0.030]
Weight (Grams)	10	10	10	15	15	30
MODEL	RW 20/102 RW 20/102 E RW 20/102 Ni RW 35 ²⁾	RW 30/102 RW 30/102 E RW 36 ²⁾	RW 30/152 RW 30/152 E RW 37 ²⁾	RW 30/203 RW 30/203 RW 38 ²⁾	RW 30/267 RW 30/267 E RW 47 ²⁾	RW 30/305 RW 30/305 E
MM D _{max.} ¹⁾	23 (26) [0.906 (1.024)]	33.3 (36.3) [1.310 (1.430)]	33.3 (36.3) [1.310 (1.430)]	33.3 (36.3) [1.310 (1.430)]	33.3 (36.3) [1.310 (1.430)]	33.3 (36.3) [1.310 (1.430)]
L ± 1.6	101.6 [4.000]	101.6 [4.000]	152.4 [6.000]	203.2 [8.000]	266.7 [10.50]	304.8 [12.00]
a	88.6 [3.490]	88.6 [3.490]	139.4 [5.490]	190.2 [7.490]	253.7 [9.990]	291.8 [11.49]
a ₁	88.6 [3.490]	88.6 [3.490]	139.4 [5.490]	190.2 [7.490]	253.7 [9.990]	291.8 [11.49]
b	8 [0.310]	8 [0.310]	8 [0.310]	8 [0.310]	8 [0.310]	8 [0.310]
b ₁	5 [0.200]	8 [0.310]	8 [0.310]	8 [0.310]	8 [0.310]	8 [0.310]
c	22 [0.870]	31 [1.220]	31 [1.220]	31 [1.220]	31 [1.220]	31 [1.220]
c ₁	23 [0.910]	27 [1.060]	27 [1.060]	27 [1.060]	27 [1.060]	27 [1.060]
d	12 [0.470]	18.5 [0.730]	18.5 [0.730]	18.5 [0.730]	18.5 [0.730]	18.5 [0.730]
e	4.2 [0.170]	4.2 [0.170]	4.2 [0.170]	4.2 [0.170]	4.2 [0.170]	4.2 [0.170]
e ₁	3.2 [0.130]	4.2 [0.170]	4.2 [0.170]	4.2 [0.170]	4.2 [0.170]	4.2 [0.170]
s	0.8 [0.030]	0.8 [0.030]	0.8 [0.030]	0.8 [0.030]	0.8 [0.030]	0.8 [0.030]
Weight (Grams)	62	136	200	260	330	430

NOTES: 1)Numbers in (parenthesis) represent the Dimension D_{max} for resistor produced with corrugated ribbon.

2)Model according to MIL-R-26.


Derating


AMBIENT TEMPERATURE IN °C


Temperature Rise

Temperature Rise

Temperature Rise

Temperature Rise

Temperature Rise

Temperature Rise