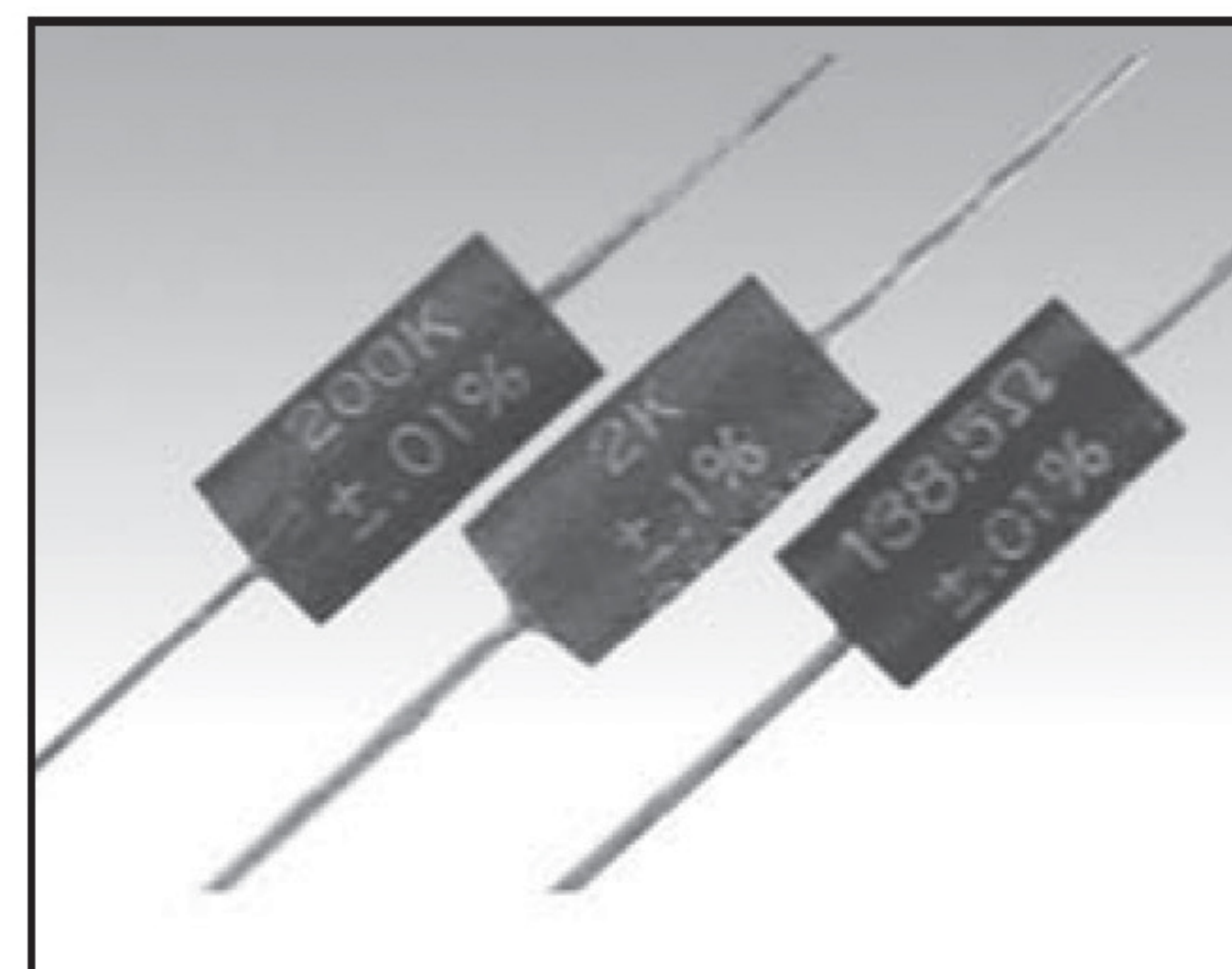


Precision Wirewound Resistors

8G16 and 8G24 are high precision wirewound resistors, providing excellent stability over temperature and time. They use balanced multiple π , low reactance windings employing an exclusive "air cushion" technique, providing virtually stress free elements. They are "non-inductively" wound with the direction of winding reversed at the half turns point. Econistors are suitable for most analogue precision circuits, e.g, gain setting, bridge balancing, voltage dividing, referencing, etc.



GENERAL SPECIFICATIONS

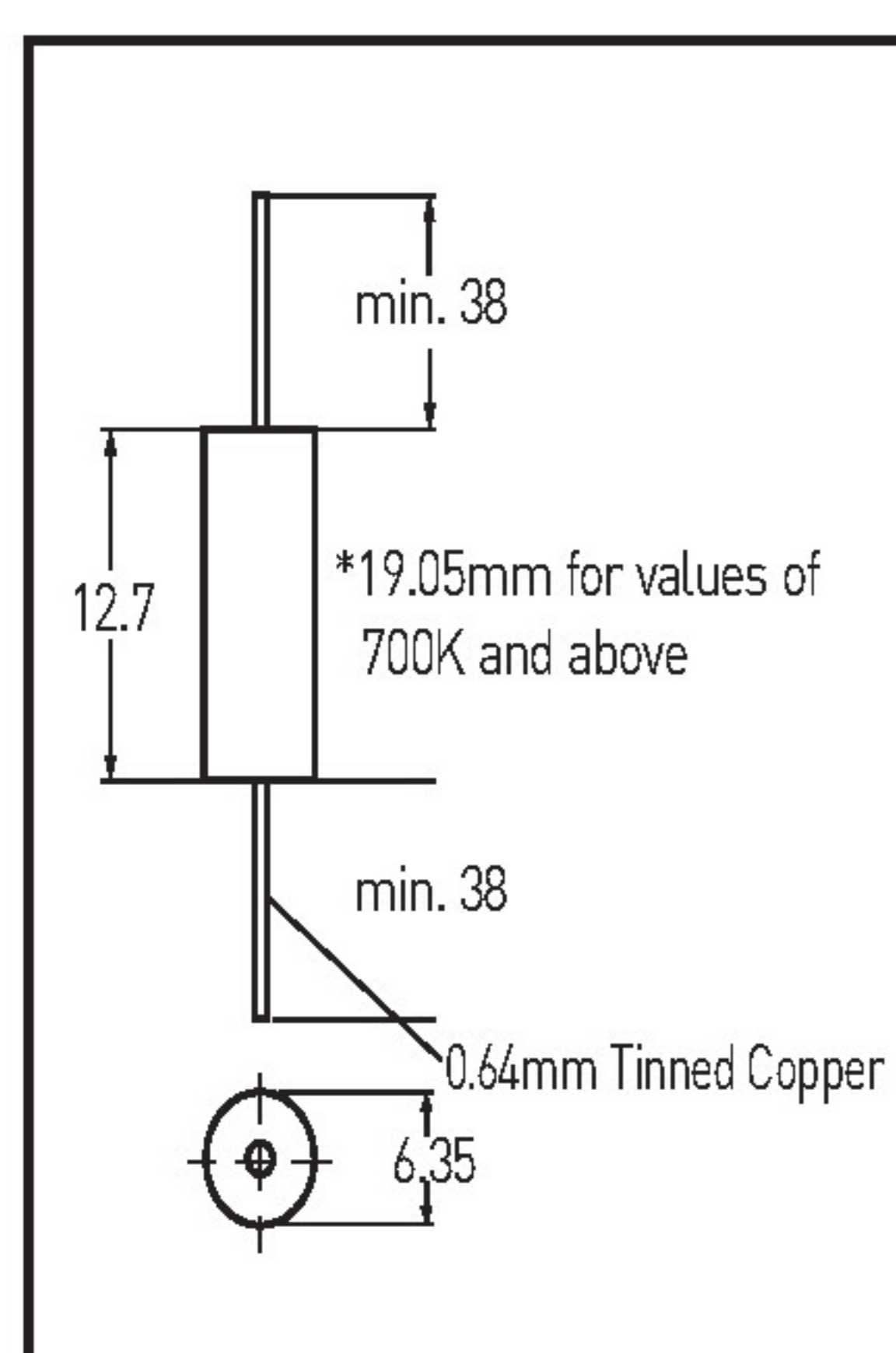
Model	Power Rating [W]	Max Working Voltage[V]	Resistance Range[Ω]		Tolerance at 25°C(%)
			Standard	Non-Standard	
8G16	0.33W(+85°C)	Up to 250V DC or peak as determined by $\sqrt{P \cdot R}$	1Ω to 1MΩ	1Ω to 1.1MΩ	[±*0.005]
8G24	0.25W(+110°C)		Type 8G 16 < 700kΩ Type 8G 24 > 700kΩ		[±0.01] [±0.1]

* 0.005% available on values of 100Ω and above only

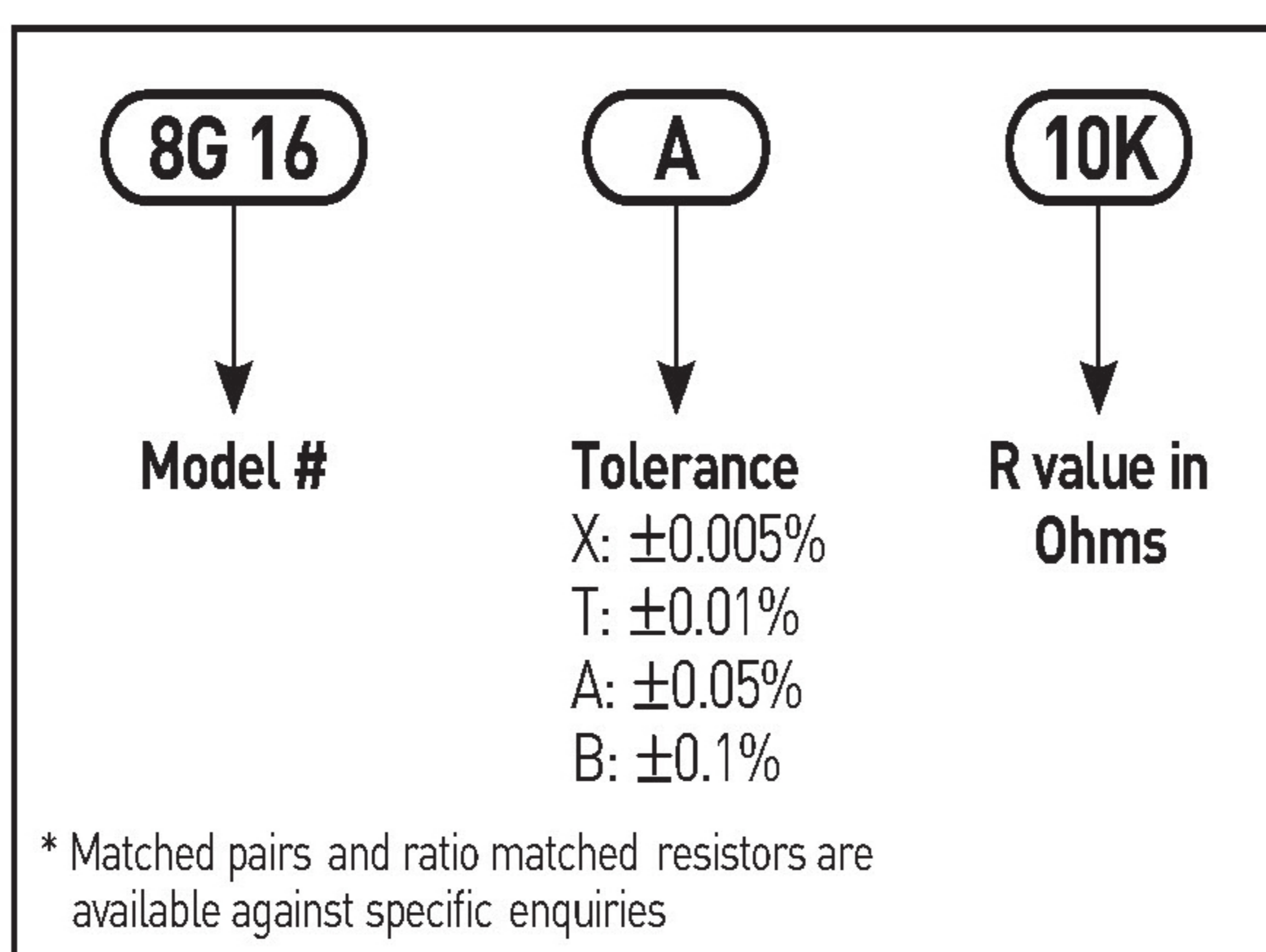
CHARACTERISTICS

Temp. Coefficient	±3ppm/°C typical over 0°C to +85°C, ±5ppm/°C maximum over -55°C to +125°C
Thermal EMF	<0.4μV/°C typical, <1.5μV/°C maximum
Noise	Essentially non-measurable
Encapsulation	Molded epoxy
Leads	24 AWG tinned copper
No Load Stability	±25ppm/10,000 hours, ±35ppm/26,000 hours. (over full temperature range; -55°C ~ +125°C)
Full Load Stability	±35ppm / 10,000 hours, ±50ppm / 26,000 hours

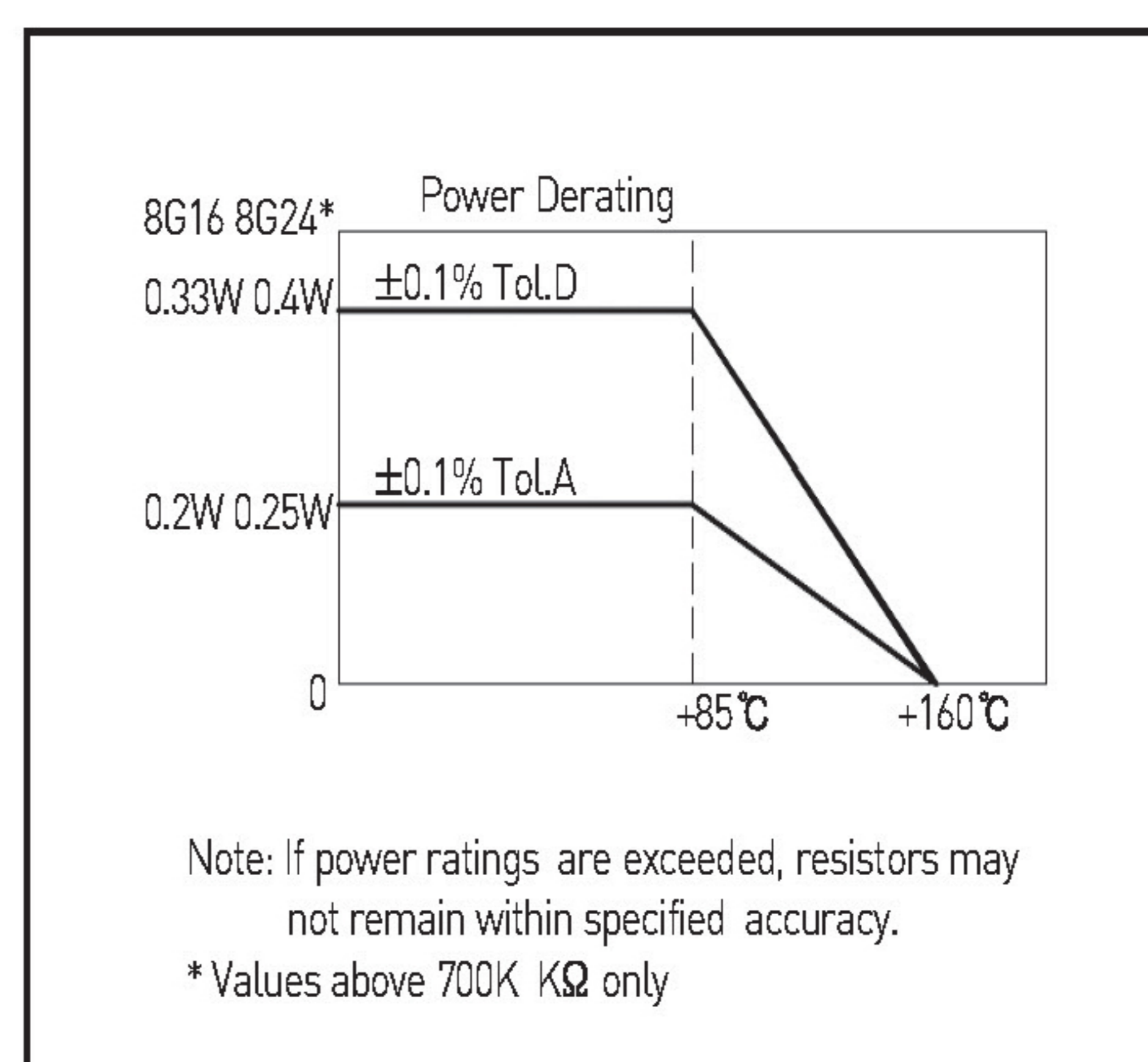
DIMENSIONS(mm)



ORDERING PROCEDURE EXAMPLE



DERATING CURVES



STANDARD RESISTANCE VALUES

1Ω	103.90Ω**	194.07Ω**	680Ω*	4.7K*	27K*	180K
2Ω	107.79Ω**	200.00Ω	700Ω	5.0K	30K	200K
5Ω	109.73Ω**	212.02Ω**	800Ω	5.6K*	33K*	250K
10Ω	111.67Ω**	220.00Ω*	820Ω*	6.0K	39K	300K
20Ω	115.54Ω**	229.67Ω**	900Ω	6.8K*	40K	320K*
30Ω	119.40Ω**	247.04Ω**	1.0K	7.0K	47K*	400K
40Ω	120.00Ω	250Ω	1.2K*	8.0K	50K	500K
50Ω	123.24Ω**	270Ω*	1.5K	8.2K*	56K*	990K
60Ω	125.00Ω**	300Ω	1.8K*	9.0K	60K	1M
60.25Ω**	127.07Ω**	330Ω*	2.0K	9.9K	68K*	
62.50Ω*	130.89Ω**	350Ω	2.2K	10.0K	70K	
70Ω	134.70Ω**	390Ω*	2.5K	12.0K*	80K	
80Ω	138.50Ω	400Ω	2.7K*	15.0K*	82K*	
84.27Ω**	150.00Ω*	470Ω*	3.0K	18.0K*	90K	Any non-listed value from 1Ω to 1.1MΩ available to order
90Ω	157.31Ω**	500Ω	3.3K*	20.0K	99K	
92.16Ω**	175.84Ω**	560Ω*	3.9K*	22.0K*	100K	
100Ω	180.00Ω*	600Ω	4.0K	25.0K	160K*	

* Stocked in ±0.1% tolerance only. **Stocked in ±0.01% tolerance only.