

**Power Fusible Wirewound Resistors**  
**Axial, Fiber glass core**  
**Ceramic case**



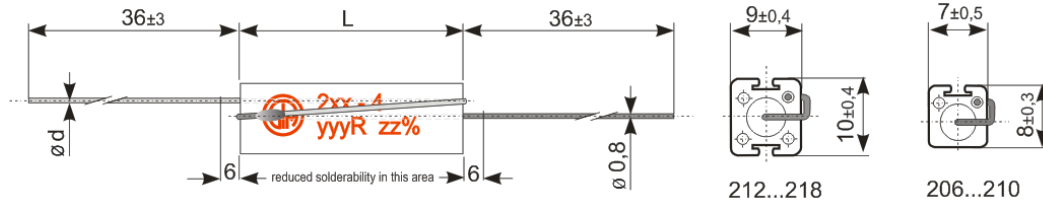
## ELECTRICAL SPECIFICATIONS

Type		206-4	208-4	210-4	212-4	214-4	216-4	218-4
<u>Nominal Power rating</u>	P <sub>25</sub>	2,5	3	4,5	3,5	5	7	11
	P <sub>70</sub>	1,2	1,5	2,5	2	3	4	6
<u>Resistance range</u>	[Ω] Min	0R1	0R12	0R33	0R12	0R33	0R51	0R91
	Max	9K1	15K	33K	15K	33K	47K	82K
<u>E-Series</u>		E24 (5[%]), E12 (10[%])						
<u>Tolerances</u>	± [%]	5, 10						
<u>Temperature coefficient</u>	[10 <sup>-6</sup> *K <sup>-1</sup> ]	* Depends on the value, please check the table below						
<u>Temperature range</u>	[°C]	-55 ... +150						
<u>Dielectric withstanding voltage</u> IEC115-1 clause 4.7 (1[min])	[V]	2000						
<u>Max. working voltage</u>	[V] <sub>RMS</sub>	$\sqrt{P_{70} * R}$						
<u>Insulation resistance</u> IEC115-1 clause 4.6	[MΩ]	> 10 <sup>4</sup>						

## PERFORMANCE DATA

<u>Derating linear</u>	[°C]	Linear 70...150 (0[W])
<u>Climatic category</u>		55/150/56
<u>Failure Rate</u> (Total, ρ <sub>0</sub> , max, 60[%] cont. lev.)	[10 <sup>-9</sup> h <sup>-1</sup> ]	appr. 100 depends on value
<u>Endurance</u> IEC60115-1 clause 4.25 (P <sub>70</sub> , @ 70[°C], 1000[h])	± [%]	3,0
<u>Damp heat, steady state</u> IEC115-1 clause 4.24 (40[°C], 93[% r.h.], 56[d])	± [%]	2,0
<u>Climatic sequence</u> IEC115-1 clause 4.23	± [%]	2,0
<u>Terminal strength</u>	± [%]	1,0
<u>Terminal Tensile Strength</u>	[N]	50
<u>Resistance to soldering heat</u> IEC115-1 clause 4.18 (260 <sup>±5</sup> [°C], 3,5 <sup>±1</sup> [s])	± [%]	± 0,2
<u>Solderability</u> IEC 60068-2-20-T (245 <sup>±5</sup> [°C], 3 <sup>±0,5</sup> [s])		Solder bath method (> 95% coverage)
<u>Marking</u> IEC60062		Printed in clear

## DIMENSIONS [mm]

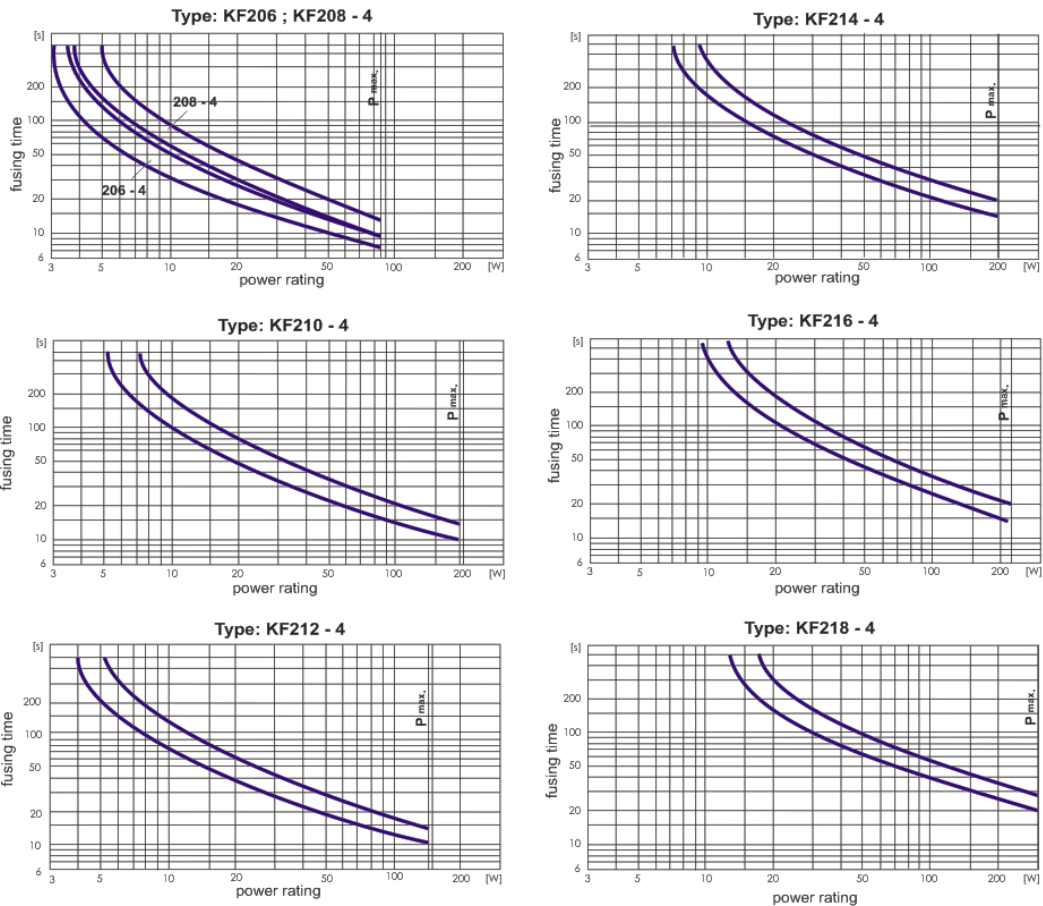


Type	L
206-4	20 ±1,0
208-4	25 ±1,0
210-4	38 ±1,0
212-4	25 ±1,0
214-4	38 ±1,0
216-4	50 ±1,5
218-4	75 ±2,0

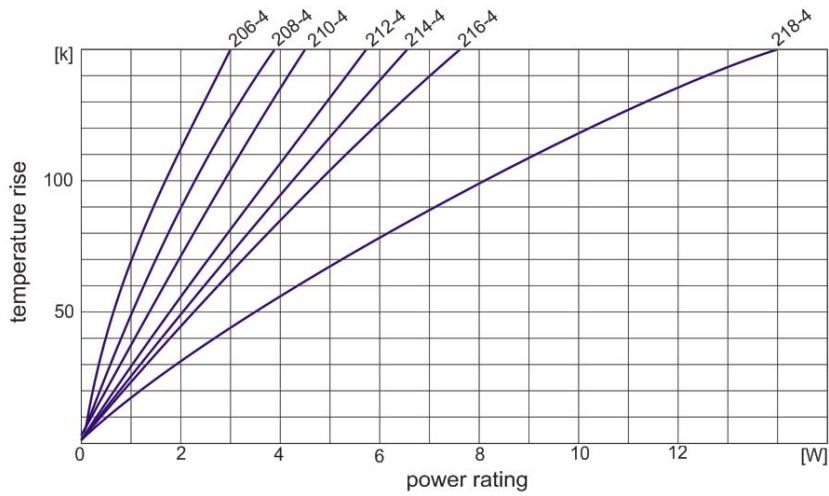
## ELECTRICAL PERFORMANCE

Type	Temperature coefficient [ppm K <sup>-1</sup> ]		
	TC +400 ±50	TC 0 ±40	TC 0 ±10
KF206	0R1...0R2	0R22...300R	330R...9K1
KF208	0R12...0R3	0R33...470R	510R...15K
KF210	0R33...0R68	0R75...910R	1K...33K
KF212	0R12...0R3	0R33...470R	510R...15K
KF214	0R33...0R68	0R75...910R	1K...33K
KF216	0R51...1R	1R1...1K3	1K5...47K
KF218	0R91...1R6	1R8...2K4	2K7...82K

## FUSING PERFORMANCE

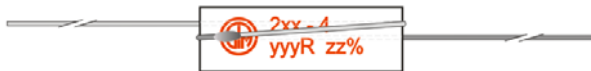


TEMPERATURE RISE



PACKAGING

The standard packaging for KF in axial type is bulk, dimensions below.



Type	Packaging	Pieces	Pack. Code
KF206-4	Bulk	100	B
KF208-4		100	
KF210-4		100	
KF212-4		100	
KF214-4		100	
KF216-4		100	
KF218-4		100	

ORDERING EXAMPLE

<b>KF206-4</b>	<b>10</b>	<b>B</b>	<b>100R</b>
Type	Tolerance	Pack-Code	R-Value