

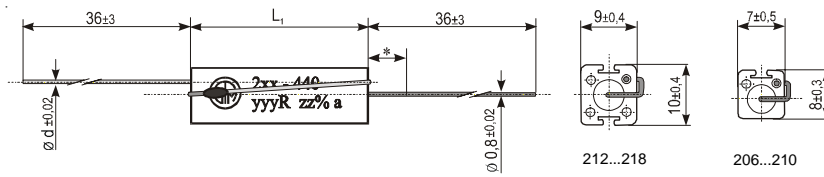
Power Wirewound Resistors
axial, circuit breaker, ceramic case, fibre glass core



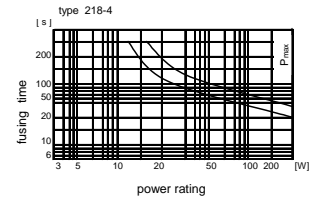
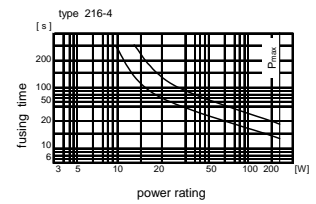
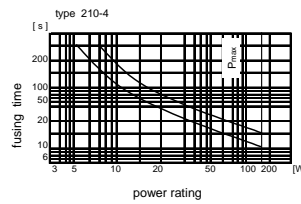
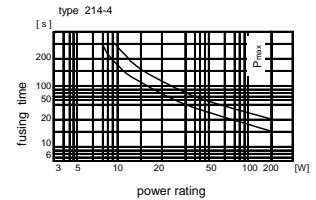
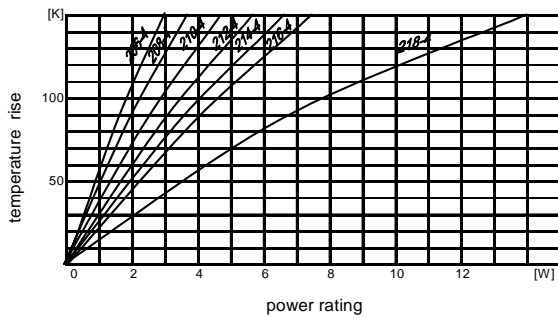
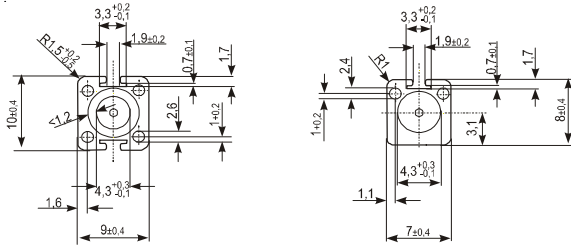
Specifications

Type			KF206-4	KF208-4	KF210-4	KF212-4	KF214-4	KF216-4	KF218-4
Power rating	P_{25} P_{70}	W	2,5 1,2	3,0 1,5	4,5 2,5	3,5 2,0	5,0 3,0	7,0 4,0	11 6,0
Resistance range		Ω	see page 2						
E-Series			E 24 (5%), E 12 (10%)						
Tolerances		%	$\pm 5, \pm 10$						
Temperature coefficient		$10^{-6} \cdot K^{-1}$	- 80 ... + 500						
max. cont. work. voltage		V_{RMS}	$\sqrt{P_{70} \cdot R}$ for all styles						
Insulation voltage (1min.)		V_{RMS}	2000						
Insulation resistance		Ω	$> 10^4 M$						
Derating linear		$^{\circ}C$	see Table Temperature rise of solder joints						
Climatic category			55/150/56						
Temperature range		$^{\circ}C$	- 55 ... 150						
Failure rate (Total, ϑ_0 , max., 60% conf. lev.)		$10^{-9} \cdot h^{-1}$	appr. 100, depends on value						
Endurance (P_{70} , 70 $^{\circ}C$, 1000h)		$\left[\frac{AR}{R}\right] \%$	$\pm 3,0$ average						
Damp heat, steady state (40 $^{\circ}C$, 93% r.h., 56d)		$\left[\frac{AR}{R}\right] \%$	$\pm 2,0$						
Climatic sequence		$\left[\frac{AR}{R}\right] \%$	$\pm 2,0$						
Terminal strength		$\left[\frac{AR}{R}\right] \%$	$\pm 1,0$						
Terminal tensile strength		N	50						
Resistance to soldering heat (260 $^{\circ}C$, 10s)		$\left[\frac{AR}{R}\right] \%$	$\pm 0,2$ typ.						
Solderability		s	2,5 Flowtime; solderglobule test IEC 60068-2-20-T						
Marking			Printed in clear						

Dimensions in mm:



* 6mm, reduced solderability in this area



Type	Resistance range		L ₁	Ød
	Min	Max		
KF206-4	0R1	9K1	20 ±1,0	0,6
KF208-4	0R15	15K	25 ±1,0	0,6
KF210-4	0R33	33K	38 ±1,0	0,8
KF212-4	0R15	15K	25 ±1,0	0,6
KF214-4	0R33	33K	38 ±1,0	0,8
KF216-4	0R51	47K	50 ±1,5	0,8
KF218-4	0R91	82K	75 ±2,0	0,8

Packaging:

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

Ordering example:

KF212-4 5 B 1K
 Type Tolerance Pack.-Code R-Value

Revision 200807