

FKN series Fusible Wire Wound Resistors

◆ Features

- » Suitable for protecting circuit boards.
- » Fuse in less than 30 seconds at 16 time rated power.

◆ Power Ratings Dimensions



◆ Dimensions

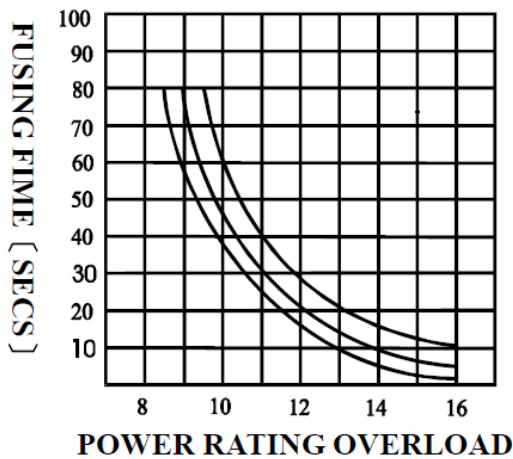
Type		Dimensions (mm)			
Standard	Miniature	L	D	H	d
FKN1/4W	FKNS1/2W	6.3±0.5	2.3±0.3	28±2.0	0.55±0.03
FKN1/2W	FKNS1W	9.0±0.5	3.2±0.5	26±2.0	0.65±0.03
FKN1W	FKNS2W	11.5±1.0	4.5±0.5	35±2.0	0.78±0.03
FKN2W	FKNS3W	15.5±1.0	5.0±0.5	32±2.0	0.78±0.03
FKN3W	FKNS5W	17.5±1.0	6.5±0.5	35±2.0	0.78±0.03
FKN5W	FKNS7W	24.5±1.0	8.5±0.5	35±2.0	0.78±0.03

◆ Part Number

FKN	100	J	200R	T
Type	Watt	Tolerance	R value	Packing
FKN	1W = 100	J = ± 5%	2.3K = 2K3	T = Taping Box
FKNS	2W = 200			B = Bulk

◆ Electrical Characteristics

ITEMS	SPECIFICATION LIMITS
TEMPERATURE COEFFICIENT	±350ppm
SHORT TIME OVERLOAD	±(2%+0.05Ω)
INSULATION RESISTANCE MIN DRY	1000MΩ
LOAD LIFE	±(5%+0.05Ω)
TERMINAL STRENGTH	Tensile: ≥2.5kg
SOLDERABILITY	95% min overage
DIELECTRIC WITHSTANDING VOLTAGE	≥ 500V
OPERATING TEMPERATURE RANGE	-40°C TO +155°C
TOLARANCE	±5%
SELECTION SERIES	E-24
WORKIKNG VOLTAGE	$(P * R)^{0.5}$ at 70°C



Type		Magnification of Rower Rating			Fusing Time
Standard	Miniature	X30	X25	X16	
1/4W	1/2WS	≤ 0Ω47	0Ω47 ~ 0Ω91	1Ω ~ 22Ω	60SEC MAX
1/2W	1WS	≤ 0Ω33	0Ω33 ~ 1Ω2	1.3Ω ~ 47Ω	
1W	2WS	≤ 0Ω33	0Ω33 ~ 1Ω2	1.3Ω ~ 100Ω	
2W	3WS	≤ 0Ω33	0Ω33 ~ 1Ω2	1.3Ω ~ 150Ω	
3W	5WS	≤ 0Ω33	0Ω33 ~ 1Ω2	1.3Ω ~ 330Ω	
5W	7WS	≤ 0Ω33	0Ω33 ~ 1Ω2	1.3Ω ~ 390Ω	

