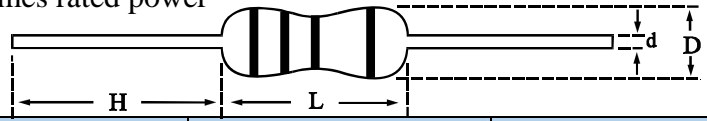


- Superior quality fusible Wire wound resistors which are flameproof during operation
- These resistors fuse in less than 30seconds at 16 times rated power

● OUTLINE DIAGRAM



STYLE		DIMENSIONS(mm)				LIMITING ELEMENT VOLTAGE		RESISTANCE
Normal	Miniature	L	D	H	d	Normal	Miniature	RANGE
FKN1/4W	FKN1/2WS	6.3±0.5	2.3±0.3	28±2.0	0.55±0.03	200V	250V	1Ω ~22Ω
FKN1/2W	FKN1WS	9.0±0.5	3.2±0.5	26±2.0	0.65±0.03	250V	300V	0.1Ω ~47Ω
FKN1W	FKN2WS	11.5±1.0	4.5±0.5	35±2.0	0.78±0.03	300V	350V	0.1Ω ~100Ω
FKN2W	FKN3WS	15.5±1.0	5.0±0.5	32±2.0	0.78±0.03	350V	400V	0.1Ω ~150Ω
FKN-3W	FKN5Ws	17.5±1.0	6.5±0.5	35±2.0	0.78±0.03	500V	700V	0.1Ω ~330Ω
FKN-5W	FKN7Ws	24.5±1.0	8.5±0.5	35±2.0	0.78±0.03	500V	700V	0.1Ω ~390Ω

✧ Value Range for standard resistance , below or over this resistance on request.

● RATINGS AND 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
OPERETING TEMPERATURE RANGE	-40°C TO +155°C
TOLARANCE	±5%
SELECTION SERIES	E-24
WORKIKNG VOLTAGE	$\sqrt{P * R}$ at 70°C

● MOUNTING

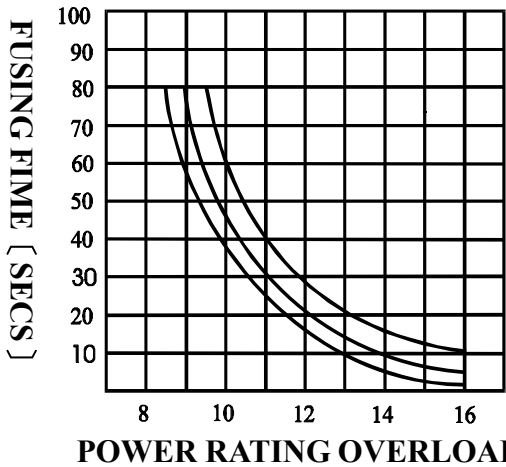
The resistors are suitable for processing on automatic insertion equipment and cutting and bending machines

● MARKING

The resistors are marked with a 4 colors band code indicating the value and a fifth BLACK band denoting a fusible RESISTORS.

The reduced size use gold color band instead of the fifth BLACK band.

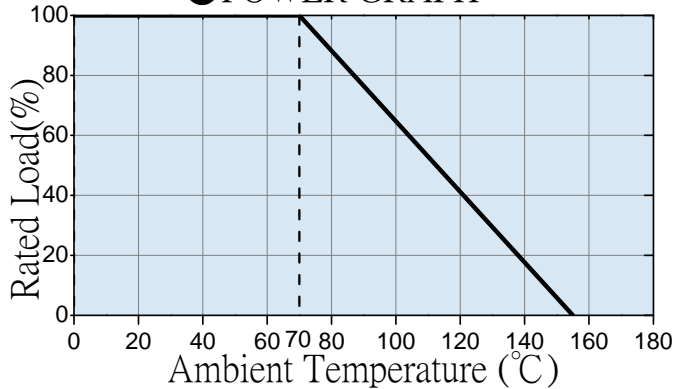
● **FUSING CHARACTERISTICS**



TYPE		Magnification of Rower Rating			FUSING TIME
		X 30	X 25	X 16	
1/4W	1/2WS	≤ 0Ω247	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	

The above power rating and fusing time for standard fusible resistors, other spec. on request

● POWER GRAPH



● **Technology and suggested application**

The resistive element comprises a resistive film sputtered onto a ceramic element.

Metal end caps are force fitted to the element prior to spiralling.

Tinned copper lead wires are welded to the end caps and the components are than coated with four layers of a flameproof cement.

All resistors are tested for value and tolerance.

● **Resistor body color**

1. Normal size----- Grey
2. Small size-----Pink

● **PART NUMBER:**

