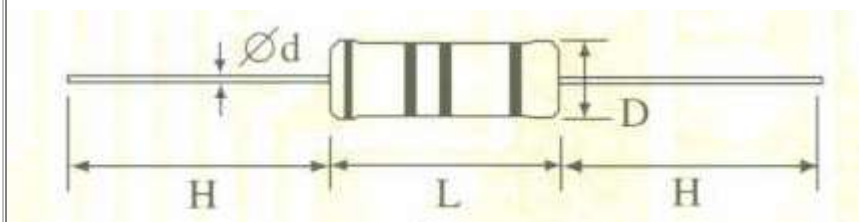


## RSN Metal Oxide Film fixed Resistors



### 2.Feature :

**Excellent flame resistance coating;**

High purity ceramic core;

Meet EIA-RC2655A requirements;

High safety standard.

# RSN Series

## Metal Oxide Film Fixed Resistors

**TYEIE**



**Lead Free**

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### 3. Explanation On Specifications

0.3Ω~50kΩStyle		Power rating at 70 °C	Dimension				Max working V.	Max overload V.	Dielectric withstanding V.	Resistance range
			D Max	L Max	+0.02 d -0.05	H ± 3				
<b>Normal Size</b>										
RSN1/4W	RSN25	1/4W	1.85	3.5	0.56	28	250V	400V	250V	0.3Ω~50kΩ
RSN1/2W	RSN150	1/2W	2.5	6.8	0.60	28	300V	500V	300V	0.3Ω~50kΩ
RSN1W	RSN1W	1W	3.5	10	0.80	28	350V	600V	350V	0.3Ω~50kΩ
RSN2W	RSN2W	2W	5	12	0.80	38	350V	600V	350V	0.3Ω~50kΩ
RSN3W	RSN3W	3W	5.5	16	0.80	38	500V	800V	500V	5Ω~100kΩ
RSN5W	RSN5W	5W	6.5	17.5	0.80	38	750V	1000V	750V	5Ω~100kΩ
<b>Small Size</b>										
RSN1/2WS	RSN50S	1/2W	1.85	3.5	0.56	28	250V	400V	250V	0.3Ω~50kΩ
RSN1WS	RSN1WS	1W	2.5	6.8	0.60	28	350V	600V	350V	0.3Ω~50kΩ
RSN2WS	RSN2WS	2W	3.5	10	0.60	28	350V	600V	350V	0.3Ω~50kΩ
RSN3WS	RSN3WS	3W	5	12	0.80	38	350V	600V	350V	0.3Ω~50kΩ
RSN5WS	RSN5WS	5W	5.5	16	0.80	38	500V	800V	350V	5Ω~100kΩ

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## 4. Explanation On Part Numbers

<b>RSN</b>	<b>1W[S]</b>	<b>H</b>	<b>103</b>	<b>J</b>
[RSS]	Series	Forming and	Nominal	Resistance
Metal Oxide		packaging	Resistance	Tolerance
Film Resistor	50-1/2W 3W-3W	T5-T52		
	1W-1W 5W-5W	T7-T73	10K $\Omega$	J- $\pm 5\%$
	2W-2W	H-H Type		G- $\pm 2\%$
	[S]-miniature size	F-F Type		
		R-Radial Type		

## 5. Performance Specifications:

Temperature coefficient  $\pm 350\text{PPM}/^\circ\text{C}$

Short-time overload

Normal Size  $\Delta R/R \leq \pm(1\%+0.05\Omega)$ , with no evidence of mechanical damage

Small Size  $\Delta R/R \leq \pm(2\%+0.05\Omega)$ , with no evidence of mechanical damage

Dielectric withstanding voltage No evidence of flashover,  
mechanical damage, arcing or insulation leakage.

Pulse overload Normal Size  $\Delta R/R \leq \pm(2\%+0.05\Omega)$ , with no evidence of mechanical damage

Small Size  $\Delta R/R \leq \pm(5\%+0.05\Omega)$ , with no evidence of mechanical damage

Terminal strength No evidence of mechanical damage

Resistance to soldering heat  $\Delta R/R \leq \pm(1\%+0.05\Omega)$ , with no evidence of mechanical damage

Solderability Min. 95% coverage.

Resistance to solvent No deterioration of the protective coating and markings

Temperature cycling  $\Delta R/R \leq \pm(2\%+0.05\Omega)$ , with no evidence of mechanical damage

Load life in humidity  $\Delta R/R \leq \pm 5\%$  for  $< 100\text{k}\Omega$ ;  $\pm 10\%$  for  $\geq 100\text{k}\Omega$

Load life  $\Delta R/R \leq \pm 5\%$  for  $< 100\text{k}\Omega$ ;  $\pm 10\%$  for  $\geq 100\text{k}\Omega$