

# DATA SHEET

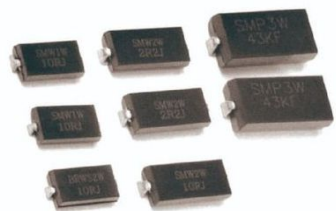
## SMD Molded Power Resistor Dimension (8,4x3,55x4,15mm)

### Serie: X65010

<b>SMD Molded Power Resistor Dimension (8,4x3,55x4,15mm)</b>	
Serie No.:	<b>X65010</b>
Customer:	

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	26.04.2024
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 4

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## Technical Description

### SPECIFICATIONS

Range	Standard PPM	Optional PPM		
R001~R024	400ppm	100, 200ppm	Test the resistance value at normal temperature and normal temperature added 100°C, calculate per °C resistance value change rate.	Temperature coefficient
R025~R049	300ppm	100, 200ppm		
R050~R099	200ppm	50, 100ppm		
1R0 ~ 9R90	100ppm	10,20,30,50ppm		
10R ~ 1,2KR	50ppm	5,10,20,30ppm		
$\Delta \leq \pm ( 2\%R0+0.05\Omega )$			POWER RATED X 2.5 TIMES, 5S	Short time overload
$\Delta \leq \pm ( 1\%R0+0.05\Omega )$			Immerge into 350 ±10° tin stove for 2~3 seconds.	Resistance to soldering heat
The area of solder ing is over 95%			Immerge into 260 ±50° tin stove for 2~3 seconds.	Solderability
$\Delta R \leq \pm ( 1\%R0+0.05\Omega )$			at -55°C for 30min, then at +25°C for 10~15min, then at +125°C for 30min, then at +25°C for 10~15min, total 5 cycles	Temperatur cycling
$\Delta R \leq \pm ( 5\%R0+0.05\Omega )$			Overload rated Voltage or Max, working voltage (get the lower) for 1000hours (1,5hours on and half.hour off) at the 40± 2°C and 90~95% relative humidity.	Load Life humidity
$\Delta R \leq \pm ( 5\%R0+0.05\Omega )$			Overload rated Voltage or Max, working voltage (get the lower) for 1000hours (1,5hours on and half.hour off) at the 70± 2°C .	Load life in heat
No visible flame			Respvoltage by 5, 10,16 times rated power for 5 minutes	Nonflammibility

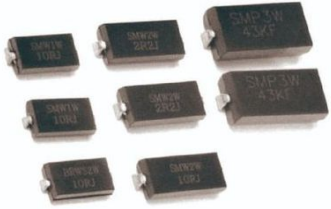
### Applications & Features

Communications equipment, instrumentst and meters, medical electronic equipment, test and measurement equipment, automotive electronics, industrial products, LED lamp fuse, special power supply and various electronic equiupment.										<b>SMD Molded Power Resistor Dimension (8,4x3,55x4,15mm)</b>
The product shows excellent stability and sudden wafe safety, which is heat-resistance, moisture-proof, flame-retardent, bearing high current, low temperature coefficient and high precision. It can be made into ordinary type and customized fuse type, and has wide application										
Miniaturization, high density insertion, good heat resistance and low surface temperature rise. Meet the requirements of lead free (Pb) and lead-containing welding process.										
It can be used in automatic surface mounting (SMD) assembly systems. They are suitable for automatic welding by reflow soldering and wave soldering.										<b>Part No.: X65010</b>
Accurance range of resistance Tol: +/-5%, +/-1% , +/-2%, +/- 0,5%, +/-0,1%										
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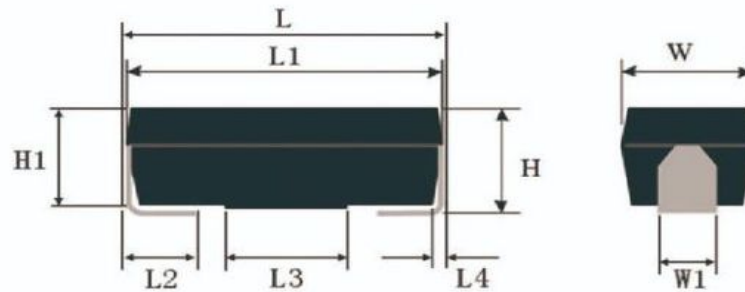
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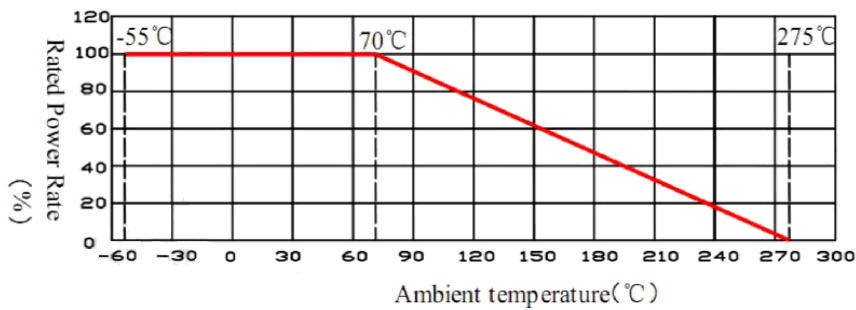
Drawing / Technical Dimension ( mm )

Serie	Size	Power (W)	L	L1	L2	L3	L4	H	H1	W	W1	Range	Tolerance	PPM Range
			(Max.)	±0.3	±0.3	±0.3	±0.3	±0.3	±0.3	±0.3				
<b>X65010</b>	4283	2	9,90	8,40	2,10	4,50	0,70	3,55	3,20	4,15	1,75	0R1 ~ 300R	1% ~ 5%	25 ~ 300PMM

SMW0409



## Resistors POWER DERATING CURVE



<b>SMD Molded Power Resistor Dimension (8,4x3,55x4,15mm)</b>	
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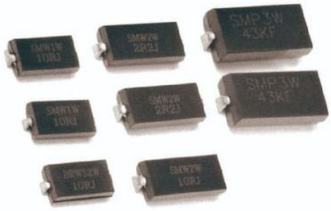
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## Ordering Informations

Serie	Range	Resistance Tolerance	PPM Tolerance	Power Rating	ROHS	Packing Code				
<b>X65010</b>	<b>100</b>	<b>J</b>	<b>300</b>	<b>D</b>	<b>R</b>	<b>TR</b>				

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<b>100</b> = Range 10R	<b>J</b> = Tolerance 5%			<b>R</b> = ROHS Conform	<b>TR</b> = Tape/Reel
<b>101</b> = Range 100R	<b>G</b> = Tolerance 2%	<b>300</b> = PPM Tolerance		<b>N</b> = NON ROHS Conform	<b>IV</b> = Individual Package
<b>1R0</b> = Range 1,0R	<b>F</b> = Tolerance 1%	<b>100</b> = PPM Tolerance			
<b>0R1</b> = Range 0,1R		<b>050</b> = PPM Tolerance	<b>D</b> = 2Watt		
		<b>030</b> = PPM Tolerance			
		<b>025</b> = PPM Tolerance			

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