



DATA SHEET

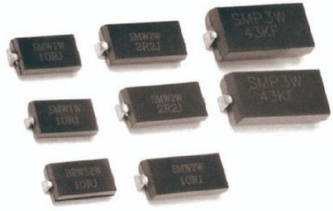
SMD Molded Power Resistor Dimension (4,05x2,30x2,60mm)

Serie: X65002

SMD Molded Power Resistor Dimension (4,05x2,30x2,60mm)	
Serie No.:	X65002
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

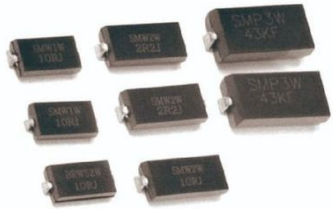
SPECIFICATIONS

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 soldering 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			Resp voltage by 5, 10,16 times rated power for 5 minutes	Nonflammability

Applications & Features

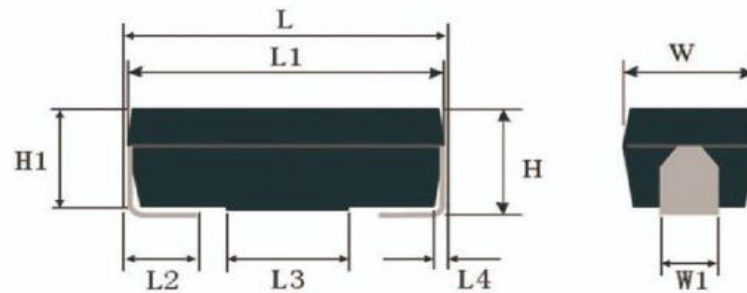
Communications equipment, instrumentst and meters, medical electronic equipment, test and measurement equipment, automotive electronics, industrial products, LED lamp fuse, special power supply and various electronic equipumnt.									
The product shows excellent stability and sudden wafe safety, which 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.									
Accurance range of resistance Tol: +/ -5%, +/ -1% , +/ -2%, +/ - 0,5%, +/ -0,1%									
Part No.: X65002									
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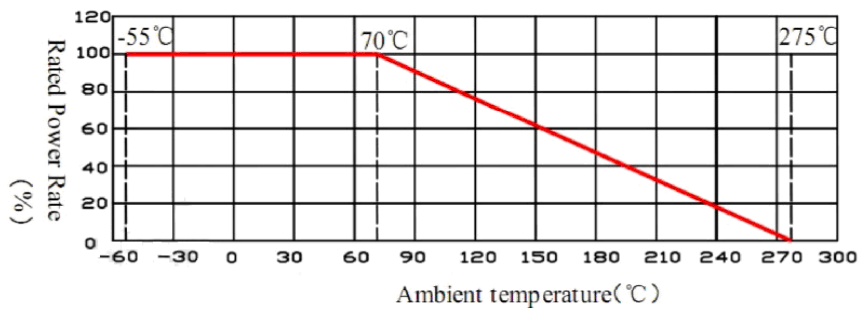


Drawing / Technical Dimension (mm)

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	±0.3			
X65002	2641	0,5	5,20	4,05	1,25	1,78	0,80	2,30	2,00	2,60	1,40	0R1 ~ 100R	1% ~ 5%	25 ~ 300PPM



Resistors POWER DERATING CURVE



**SMD Molded Power Resistor
Dimension (4,05x2,30x2,60mm)**

Part No.: **X65002**

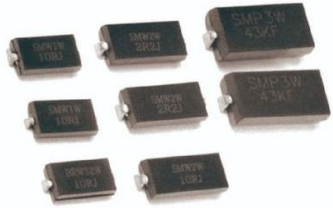
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Ordering Informations

Serie	Range	Resistance Tolerance	PPM Tolerance	Power Rating	ROHS	Packing Code				
X65002	100	J	300	B	R	TR				

SMW0305

100= Range 10R	J= Tolerance 5%			R= ROHS Conform	TR= Tape/Reel
101= Range 100R	G= Tolerance 2%	300= PPM Tolerance	B= 0,50Watt	N= NON ROHS Conform	IV= Individual Package
1R0= Range 1,0R	F= Tolerance 1%	100= PPM Tolerance			
0R1= Range 0,1R		050= PPM Tolerance			
		030= PPM Tolerance			
		025= PPM Tolerance			

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